STIC Search Results Feedback Form

CW

EIC 2100

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact:***

Anne Hendrickson, EIC 2100 Team Leader
308-7831, CPK2-4B40

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 2133*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 CPK2-4B40

STIC Search Report
EIC 2100

STIC Database Tracking Number: 111567

TO:	From:
Chongshan Chen **Location: 4B25** **Art Unit : 2172** **Wednesday, January 07, 2004** **Case Serial Number: 09/785573**	**Carol Wong** **Location: EIC 2100** **PK2-4B33** **Phone: 305-9729** **carol.wong@uspto.gov**

Search Notes

Dear Examiner Chen,

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case.

Please call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thanks,
Carol

STIC EIC 2100 Search Request Form

11/567

Today's Date: 1/7/04

What date would you like to use to limit the search?
Priority Date: 2/16/01 Other:

Name Chongshan Chen
AU 2172 Examiner # 79547
Room # 4B25 Phone 305-8319
Serial # 09/785,573

Format for Search Results (Circle One):
PAPER DISK EMAIL
Where have you searched so far?
USP DWPI EPO JPO ACM IBM TDB
IEEE INSPEC SPI Other

Is this a "Fast & Focused" Search Request? (Circle One) YES NO
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Applicant: Richard F. Creeth

A system for displaying data from a multidimensional database to a user, said system comprising:

a system computer;

a multidimensional OLAP database accessible by said computer, said multidimensional database having objects stored thereon; and

object model software executing on said system computer for instantiating and inflating specified objects up-front a first time said database is accessed, and for instantiating and inflating objects which are not specified objects on demand as the nonspecified objects are accessed.

adaptive instantiat when needed

STIC Searcher Carol Wang Phone 305-9129
Date picked up 1-7-04 Date Completed 1-7-04

File 348:EUROPEAN PATENTS 1978-2003/Dec W02
(c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20031225,UT=20031218
(c) 2003 WIPO/Univentio

Set	Items	Description
S1	3193	OBJECT(1W)MODEL???? ?
S2	363	OLAP OR ROLAP OR MOLAP OR (ONLINE OR LINE)()ANALYTIC?? ?()-PROCESS??? ?
S3	3797	MULTIDIMENSION?? ?
S4	6305	(MULTI OR MANY OR SEVERAL OR NUMEROUS OR PLURALIT? OR MULTIPLE OR MULTITUD? OR MULTIPLICITY OR PLURIF?)(1W)DIMENSION?
S5	2145	OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ? OR R-DB? ? OR RDBM? ?
S6	120590	DBMS OR DATABASE? ? OR DATASET? ? OR DATABANK? OR DATAFILE? ? OR DB
S7	0	ADAPTIVE()INSTANTIAT?
S8	676006	OBJECT? ?
S9	41270	S8(3N)(INSTANTIAT? OR CREAT??? ? OR DECLAR??? ? OR REPRESENT??? ? OR CONSTRUCT? OR GENERAT? OR MAKE? ? OR MADE OR PROD - OR PRODUCE? ? OR PRODUCING)
S10	30192	S8(3N)(DEVELOP? OR BUILD??? ? OR BUILT OR ESTABLISH? OR ORIGINAT? OR DERIV? OR FORM OR FORMS OR FORMED OR FORMING OR FORMATION OR MAKING)
S11	41729	S8(2N)(SPECIFIE? ? OR SPECIFIC OR SPECIFY? OR DESIGNAT? OR PARTICULAR OR STATED OR SELECTED OR DEFINED OR DEFIITE OR INDIVIDUAL OR CERTAIN OR SELECTIVE)
S12	51	S8(2N)DEFINITE
S13	796	S3:S4(1W)(DATA OR S6)
S14	228297	3D OR (THREE OR 3 OR THIRD)()(D OR DIMENSION?? ?) OR STEREOSCOP? OR HOLOGRAPH? OR TRIMENSION? OR TRIDIMENSION? OR TERNARY OR CUBIC OR VOLUMETRIC
S15	516	S14(1W)S6
S16	272	OBJECT(1W)MODELING
S17	1100	OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ?
S18	2768	S2 OR S16:S17 OR S13 OR S15
S19	170	S18(25N)S9:S10
S20	28	S19(25N)S11:S12
S21	28	S20(25N)S19

21/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01432477
Dynamically generating multiple hierarchies of inter-object relationships based on object attribute values
Dynamisches Erstellen von mehreren auf der Werte von Objektattributen basierten Hierarchien von Verhaltnissen zwischen Objekten
Generation dynamique de plusieurs hierarchies des relations inter-objets basees sur les valeurs des attributs de ces objets
PATENT ASSIGNEE:
MICROSOFT CORPORATION, (749861), One Microsoft Way, Redmond, Washington 98052-6399, (US), (Applicant designated States: all)
INVENTOR:
Cameron, Kim, 9328 SE Shoreline Dr., Bellevue WA 98004, (US)
Robertson, George, G., 38030 49th NE, Seattle WA 98105, (US)
Brown, Mark, R., 516 Maiden Ave. E., Seattle, WA 98112, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1211613 A2 020605 (Basic)
APPLICATION (CC, No, Date): EP 2001128655 011130;
PRIORITY (CC, No, Date): US 250344 P 001130
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT EP 1211613 A2

The described arrangements and procedures dynamically generate a data polyarchy from information received from a data store (e.g., a directory or database). The data polyarchy represents multiple hierarchies of inter-object relationships based on values of attributes of the objects. These multiple hierarchies are generated and represented in a manner that is independent of object naming and predetermined hierarchical data structures.

ABSTRACT WORD COUNT: 61

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020605 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200223	3633
SPEC A	(English)	200223	10811
Total word count - document A			14444
Total word count - document B			0
Total word count - documents A + B			14444

...SPECIFICATION static hierarchy. More specifically, the described arrangements and procedures replace these traditional notions with dynamically **generated** graphs of inter- **object** connections in **multiple dimensions** of **data** relationships based on attributes of the objects. In this manner, complex real-world **objects** are **represented** with respect to the **particular objects** themselves, with respect to any set of decomposed sub-entities, or sub-objects that are related to the **particular objects** . These inter-object relationships are managed and navigated using a data polyarchy schema 124 that...

21/5,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

01430689

Method for correcting gradients of irregularly spaced graphic data

Gradientverbesserungsverfahren bei unregelmassig verteilten graphischen Daten

Procede d'amelioration de gradients dans des donnees graphiques espacees irregulierement

PATENT ASSIGNEE:

TeraRecon, Inc., (3853800), 2955 Campus Drive, Suite 325, San Mateo, California 94403, (US), (Applicant designated States: all)

INVENTOR:

Seiler, Larry D., 198 Linden Street, Boylston, Massachusetts 01505, (US)
Wu, Yin, 146 Oxford Street, Apt.11, Somerville, MA 02143, (US)
Lauer, Hugh C., 69 Border Road, Concord, Massachusetts 01742, (US)
Bhatia, Vishal C., 478 Summer Street, Arlington, MA 02474, (US)
Lussier, Jeffrey, One Matthew Drive, Woburn, MA 01801, (US)

LEGAL REPRESENTATIVE:

Pfenning, Meinig & Partner (100961), Mozartstrasse 17, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1209620 A2 020529 (Basic)

APPLICATION (CC, No, Date): EP 2001122081 010914;

PRIORITY (CC, No, Date): US 678550 001004; US 715398 001117

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06T-005/20

ABSTRACT EP 1209620 A2

The present inventions concerns a method for correcting gradients of graphic data, comprising:

arranging the graphic data on a plurality of irregular spaced grid points;

estimating a vector denoting a spatial rate of change of the graphic data at each irregular spaced grid point;

applying a correction matrix to each vector to determine a corrected gradient at each irregular spaced grid point.

ABSTRACT WORD COUNT: 66

NOTE:

Figure number on first page: 8

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020529 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200222	362
SPEC A	(English)	200222	14572
Total word count - document A			14934
Total word count - document B			0
Total word count - documents A + B			14934

...SPECIFICATION internal processes of our rendering pipeline are expressed in permuted voxel coordinates rather than in **object** coordinates. The **derivation** of the permuted coordinates for **particular** **object** and **modeling** and view transformations is described below.

Although voxels are located at integer coordinates in object...

21/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

01414533

Method and apparatus for Volume rendering

Verfahren und Vorrichtung zur Volumendarstellung

Methode et appareil de rendu d'un volume

PATENT ASSIGNEE:

TeraRecon, Inc., (3853800), 2955 Campus Drive, Suite 325, San Mateo, California 94403, (US), (Applicant designated States: all)

INVENTOR:

Seiler, Larry D., 198 Linden Street, Boylston, Massachusetts 01505, (US)

Wu, Yin, 146 Oxford Street, Apt. 11, Somerville, MA 02143, (US)

Lauer, Hugh C., 69 Border Road, Concord, Massachusetts 01742, (US)

Bhatia, Vishal C., 478 Summer Street, Arlington, MA 02474, (US)

Lussier, Jeffrey, One Matthew Place, Woburn, MA 01801, (US)

LEGAL REPRESENTATIVE:

Pfenning, Meinig & Partner (100961), Mozartstrasse 17, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1195720 A2 020410 (Basic)

APPLICATION (CC, No, Date): EP 2001122082 010914;

PRIORITY (CC, No, Date): US 678550 001004

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06T-015/50

ABSTRACT EP 1195720 A2

The present invention concerns a method for rendering a volume data set including a plurality of voxels onto an image plane including a plurality of pixels, comprising:

casting a ray through each pixel of the image plane;

sampling voxels adjacent to each of a plurality of sample points along each ray to determine a sample value for each sample point, the plurality of sample points arranged in planes parallel to a surface of the volume data set; and

combining the sample values of the sample points of each ray to determine a pixel value for each pixel through which the ray is cast.

ABSTRACT WORD COUNT: 107

NOTE:
Figure number on first page: 8

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 020410 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	564
SPEC A	(English)	200215	14582
Total word count - document A			15146
Total word count - document B			0
Total word count - documents A + B			15146

...SPECIFICATION internal processes of our rendering pipeline are expressed in permuted voxel coordinates rather than in **object** coordinates. The **derivation** of the permuted coordinates for **particular object** and **modeling** and view transformations is described below.
Although voxels are located at integer coordinates in object...

21/5,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00824527
Methods and apparatus for providing transparent persistent data support to foreign data types
Verfahren und Vorrichtung zur transparenten Unterstutzung bestandiger Daten fur fremde Datentypen
Methodes et appareil pour donner un support de donnees persistantes transparent a des types de donnees etrangers
PATENT ASSIGNEE:
SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View, California 94043-1100, (US), (applicant designated states: DE;FR;GB;IT;NL)
INVENTOR:
Lerner, Benjamin, 3482 Janice Way, Palo Alto, CA 94043-1100, (US)
LEGAL REPRESENTATIVE:
Browne, Robin Forsythe, Dr. (55142), Urquhart-Dykes & Lord Tower House Merrion Way, Leeds LS2 8PA West Yorkshire, (GB)
PATENT (CC, No, Kind, Date): EP 766185 A2 970402 (Basic)
EP 766185 A3 980708
APPLICATION (CC, No, Date): EP 96305819 960808;
PRIORITY (CC, No, Date): US 534573 950927
DESIGNATED STATES: DE; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS: G06F-017/30; G06F-009/46; G06F-009/44;

ABSTRACT EP 766185 A2
The present invention teaches a variety of methods, data structures, and apparatus. In a first embodiment of the present invention, an instance of a data type has a data structure including a transient value data field for storing an internalized data format representation of a persistent data associated with the instance and a persistent value data field for storing an externalized data format representation of the persistent data associated with the instance. The data structure provides a capability of maintaining a persistent data associated with the instance within a database in which the data type of the instance is foreign. This includes embodiments in which the database is a relational database or an object oriented database. In some embodiments, the instance is included in a persistent programming language object. A separate embodiment of the present invention teaches a computer system having a central processing unit, a transient computer readable medium accessible by the central processing unit, a persistent computer readable medium accessible by the central processing unit, and an instance of a data type having a data structure stored in the transient computer readable medium. Further implemented on the computer system is a database and a persistent storage manager. The persistent storage manager is

operative to manage the database such that the persistent data associated with the instance is maintained within the database. In addition, a number of methods for providing a variety of aspects of transparent persistent data support to instances of persistent foreign data types are disclosed.
ABSTRACT WORD COUNT: 250

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 970402 A2 Published application (A1with Search Report ;A2without Search Report)
Change: 980624 A2 Obligatory supplementary classification (change)
Search Report: 980708 A3 Separate publication of the European or International search report
Examination: 990217 A2 Date of filing of request for examination: 981216
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	2183
SPEC A	(English)	EPAB97	8632
Total word count - document A			10815
Total word count - document B			0
Total word count - documents A + B			10815

...SPECIFICATION binary 116. As will be appreciated, the OO binary 116 is executable code from which **object** instances are **generated** . Finally, the **OODB** engine 110 utilizes the **OODB** schema 106 together with a **particular object** instance to **generate** a database which maintains persistent data in a persistent storage medium 120. Thus the types...

21/5,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00760648
Apparatus and process for creating and accessing a database centric object
Gerat und Verfahren zum Herstellen von und Verbindung zu einem Datenbankobjekt
Dispositif et procede pour la creation et l'acces a un objet dans une base de donnees
PATENT ASSIGNEE:
Dun & Bradstreet Software Services, Inc., (2047260), 3445 Peachtree Street, NE, Atlanta, Georgia 30326-1276, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Familiar, Robert F., 192 Goodmans Hill Road, Sudbury, Massachusetts 01776, (US)
LEGAL REPRESENTATIVE:
Brunner, Michael John et al (28871), GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date): EP 715254 A2 960605 (Basic)
EP 715254 A3 970319
APPLICATION (CC, No, Date): EP 95307487 951020;
PRIORITY (CC, No, Date): US 347584 941130
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06F-009/44; G06F-009/46;

ABSTRACT EP 715254 A2
A computer system that uses object oriented technology to provide an interface to a database centric object. The system includes a processor (135) running an application program and a storage device (145) storing database data. An interface apparatus for interfacing the application program and the database includes an object (100) including a method which performs an input/output function on the database. The interface receives a first signal from the application program, the first signal

corresponding to the object (100) and receives a second signal from the application program, the second signal corresponding to the method. The interface reads or writes data from or to the storage device and thereby executes the input/output function of the method on the database data in response to the receipt of the first and second signal. (see image in original document)
ABSTRACT WORD COUNT: 158

LEGAL STATUS (Type, Pub Date, Kind, Text):
Withdrawal: 001018 A2 Date application deemed withdrawn: 20000503
Application: 960605 A2 Published application (A1with Search Report ;A2without Search Report)
Change: 960717 A2 Representative (change)
Change: 960904 A2 Representative (change)
Change: 961016 A2 Representative (change)
Change: 970305 A2 Obligatory supplementary classification (change)
Search Report: 970319 A3 Separate publication of the European or International search report
Examination: 971105 A2 Date of filing of request for examination: 970911
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1199
SPEC A	(English)	EPAB96	19658
Total word count - document A			20857
Total word count - document B			0
Total word count - documents A + B			20857

...SPECIFICATION the database 145. As described above, the database type is preferably one accessible by the **ODBC** Interface 120, such as Sybase, Oracle, and Access.
For this example, the portion of the PhoneBook database 145 **represented** by the Book **object** is **defined** to include a Name relational database table 420 and a Number relational database table 420 ...

21/5,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00483896
A system and method for database management supporting object-oriented programming
Datenbankverwaltungssystem und -verfahren zur Unterstutzung von objektorientierter Programmierung
Systeme et procede de gestion de base de donnees permettant la programmation orientations-objet
PATENT ASSIGNEE:
TEXAS INSTRUMENTS INCORPORATED, (279070), 13500 North Central Expressway, Dallas Texas 75265, (US), (Proprietor designated states: all)
INVENTOR:
Bannon, Thomas J., 4912 Haverwood, Dallas, Texas 75276, (US)
Vappala, John Joseph, 1900 Knob Hill, Plano, Texas 75023, (US)
Ford, Stephen J., 2804 Hacienda Court, Plano, Texas 75023, (US)
Perez, Edward R., 9511 Liptonshire, Dallas, Texas 75238, (US)
Peterson, Robert W., 3841 Townbluff Drive, Plano, Texas 75023, (US)
Thatte, Satish M., 1304 Elk Grove, Richardson, Texas 75081, (US)
Wang, Chung C., 6925 Echo Bluff Drive, Dallas, Texas 75248, (US)
Sparacin, Diana M., 2212 Covinton Lane, Plano, Texas 75023, (US)
Thompson, Craig W., 2725 Deep Valley Trail, Plano, Texas 75023, (US)
Wells, David L., 8593 Hanford, Dallas, Texas 75243, (US)
LEGAL REPRESENTATIVE:
Legg, Cyrus James Grahame et al (81121), ABEL & IMRAY, 20 Red Lion Street , London WC1R 4PQ, (GB)
PATENT (CC, No, Kind, Date): EP 459683 A2 911204 (Basic)

EP 459683 A3 930414
EP 459683 B1 990818
APPLICATION (CC, No, Date): EP 91304579 910521;
PRIORITY (CC, No, Date): US 531493 900530
DESIGNATED STATES: DE; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS: G06F-017/30; G06F-009/44
CITED REFERENCES (EP A):
ADVANCES IN OBJECT-ORIENTED DATABASE SYSTEMS 27 September 1988, EBERNBURG, GERMANY pages 23 - 42 S. FORD ET AL. 'Zeitgeist: Database Support for Object-Oriented Programming'
SIGMOD RECORD vol. 18, no. 2, 31 May 1989, PORTLAND, OR, USA pages 36 - 45 R. AGRAWAL ET AL. 'ODE (Object Database and Environment): The Language and The Data Model'
SIGMOD RECORD vol. 20, no. 1, March 1991, pages 47 - 52 S.M.THATTE ET AL. 'A Modular and Open Object-Oriented Database System'
SOFTWARE PRACTICE & EXPERIENCE. vol. 19, no. 8, August 1989, CHICHESTER GB pages 719 - 737 A. STRAW ET AL. 'Object Management in a Persistent Smalltalk System';
CITED REFERENCES (EP B):
ADVANCES IN OBJECT-ORIENTED DATABASE SYSTEMS 27 September 1988, EBENBURG, GERMANY pages 23 - 42 S. FORD ET AL. 'Zeitgeist: Database Support for Object-Oriented Programming'
SIGMOD RECORD vol. 18, no. 2, 31 May 1989, PORTLAND, OR, USA pages 36 - 45 R. AGRAWAL ET AL. 'ODE (Object Database and Environment): The Language and The Data Model'
SIGMOD RECORD vol. 20, no. 1, March 1991, pages 47 - 52 S.M.THATTE ET AL. 'A Modular and Open Object-Oriented Database System'
SOFTWARE PRACTICE & EXPERIENCE. vol. 19, no. 8, August 1989, CHICHESTER GB pages 719 - 737 A. STRAW ET AL. 'Object Management in a Persistent Smalltalk System';

ABSTRACT EP 459683 A2
A system and method for database management (18) for providing support for long-term storage and retrieval of objects created by application programs (14) written at least in part in object-oriented programming languages consists of a plurality of software modules. These modules provide data definition language translation, object management (42), object translation (52), and persistent object storage service (54). Such system implements an object fault capability to reduce the number of interactions between the application, the database management system, and the database. (see image in original document)
ABSTRACT WORD COUNT: 88
NOTE:
Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None:	000802	B1	No opposition filed: 20000519
Application:	911204	A2	Published application (A1with Search Report ;A2without Search Report)
Search Report:	930414	A3	Separate publication of the European or International search report
Examination:	931208	A2	Date of filing of request for examination: 931008
Examination:	970108	A2	Date of despatch of first examination report: 961125
Change:	971112	A2	Representative (change)
Change:	980909	A2	International patent classification (change)
Change:	980909	A2	Obligatory supplementary classification (change)
Grant:	990818	B1	Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9933	1167
CLAIMS B	(German)	9933	1158
CLAIMS B	(French)	9933	1396
SPEC B	(English)	9933	15634

Total word count - document A 0

Total word count - document B 19355
Total word count - documents A + B 19355

...SPECIFICATION values in the object (actually, relational tuples). POSTGRES allows a foreign function to access an **object** , but as **stated** above, it must be mapped from the relational data model to the data model of the foreign function's programming language.

Although most **OODBs** allow the application developer to explicitly retrieve an object from the database (Iris and POSTGRES do not), they do not allow the application **developer** to **specify** when **objects** related to the original object should be retrieved. For example, application developers can access objects...

21/5,K/7 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784185 **Image available**
A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918 , US,
Legal Representative:
HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200117195 A2-A3 20010308 (WO 0117195)
Application: WO 2000US24125 20000831 (PCT/WO US0024125)
Priority Application: US 99386717 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-029/06
International Patent Class: G06F-017/22; H04L-029/12
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150532

English Abstract
A system, method, and article of manufacture are disclosed for providing a stream-based communication system. A shared format is defined on interface code for a sending system and a receiving system. A message to be sent from the sending system to the receiving system is translated based on the shared format. Once translated, the message is then sent from the sending system and received by the receiving system. Once the message is received by the receiving system, the message is then translated based on the shared format.

French Abstract
L'invention concerne un systeme, un procede et un article de production fournissant un systeme de communication en continu. Un format partage est defini selon un code d'interface pour un systeme emetteur et un systeme

recepteur. Un message devant etre envoye par le systeme emetteur est traduit sur la base du format partage. Une fois traduit, le message est envoye du systeme emetteur et recu par le systeme recepteur. Le message recu par le systeme recepteur est ensuite traduit sur la base du format partage.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010907 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20011115 Late publication of international search report
Republication 20011115 A3 With international search report.

21/5,K/8 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784184 **Image available**
A SYSTEM, METHOD FOR FIXED FORMAT STREAM COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE POUR FLUX DE FORMAT FIXE DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200117194 A2-A3 20010308 (WO 0117194)
Application: WO 2000US24114 20000831 (PCT/WO US0024114)
Priority Application: US 99386430 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-029/06
International Patent Class: G06F-017/22; H04L-029/12
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 149954

English Abstract
A system, method, and article of manufacture provide a fixed format stream-based communication system. A sending fixed format contract on interface code is defined for a sending system. A receiving fixed format contract on interface code is also defined for a receiving system. A message to be sent from the sending system to the receiving system is translated based on the sending fixed format contract. The message is then sent from the sending system and subsequently received by the receiving system. The message received by the receiving system is then translated based on the receiving fixed format contract.

French Abstract
L'invention concerne un systeme, un procede et un article pour systeme de communication a flux de format fixe. Un contrat de format fixe de

transmission sur code d'interface est defini pour un systeme de transmission. Un contrat de format fixe de reception sur code d'interface est egalement defini pour un systeme de reception. Un message destine a etre envoye du systeme de transmission au systeme de reception est converti sur la base du contrat de format fixe de transmission. Le message est ensuite transmis depuis le systeme de transmission, puis il est recu par le systeme de reception et converti sur la base du contrat de format fixe.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010816 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020103 Late publication of international search report
Republication 20020103 A3 With international search report.
Fulltext Availability:
Claims

Claim
... most projects find that they need a third type of expert - e.g., a component/ **object modeling** architect(s), to provide direction.
304
Four primary online **development** roles may be **defined** :
window team members **developed** the window-specific functionality. Their role was biased towards consuming rather than providing common object...

21/5,K/9 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784140
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE INTERFACE ADRESSABLE GLOBALEMENT
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116735 A2-A3 20010308 (WO 0116735)
Application: WO 2000US24198 20000831 (PCT/WO US0024198)
Priority Application: US 99387214 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150371

English Abstract

A system, method, and article of manufacture are provided for delivering service via a globally addressable interface. A plurality of interfaces are provided with access allowed to a plurality of different sets of services from each of the interfaces. Each interface has a unique set of services associated therewith. Each of the interfaces is named with a name indicative of the unique set of services associated therewith. The names of the interfaces are then broadcast to a plurality of systems requiring service.

French Abstract

L'invention porte sur un systeme, un procede et un article de fabrication appliques dans la distribution de services via une interface adressable globalement. Une pluralite d'interfaces permettent d'acceder a une pluralite de differents ensembles de services. A chaque interface est associe un ensemble unique de services. Chacune de ces interfaces est affectee d'un nom designant l'ensemble unique de services correspondant. Les noms des interfaces sont ensuite diffuses a une pluralite de systemes requerant un service.

Legal Status (Type, Date, Text)

Publication	20010308	A2 Without international search report and to be republished upon receipt of that report.
Examination	20010927	Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20030109	Late publication of international search report
Republication	20030109	A3 With international search report.

21/5,K/10 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

00784139

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SELF-DESCRIBING STREAM IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A UN FLUX D'AUTODESCRIPTEURS DANS UN ENVIRONNEMENT DE MODELES DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:
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Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200116734 A2-A3 20010308 (WO 0116734)
Application: WO 2000US23999 20000831 (PCT/WO US0023999)
Priority Application: US 99387070 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150517

English Abstract

A system, method, and article of manufacture are described for providing a self-describing stream-based communication system. Messages are sent which include data between a sending system and a receiving system. Meta-data is attached to the messages being sent between the sending system and the receiving system. The data of the messages sent from the sending system to the receiving system is translated based on the meta-data. The meta-data includes first and second sections. The first section identifies a type of object associated with the data and a number of attribute descriptors in the data. The second section includes a series of the attribute descriptors defining elements of the data.

French Abstract

L'invention concerne un systeme, un procede et un article de fabrication destines a constituer un systeme de communication a base d'un flux d'autodescripteurs. Des messages comprenant des donnees sont envoyes, entre un systeme expediteur et un systeme recepteur. Des metadonnees sont attachees aux messages en cours d'envoi entre le systeme expediteur et le systeme recepteur. Les donnees des messages envoyes du systeme expediteur au systeme recepteur sont traduites d'apres les metadonnees, lesquelles comprennent des premiere et seconde sections. La premiere section identifie un type d'objet associe aux donnees et un nombre de descripteurs d'attributs presents dans celles-ci. La seconde section comprend une serie de descripteurs d'attributs definissant des elements des donnees.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010927 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020221 Late publication of international search report
Republication 20020221 A3 With international search report.

21/5,K/11 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

00784138

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A TRANSACTION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR MODULE DE MISE EN LOTS DES REQUETES DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES TRANSACTIONNELS

Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mills Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200116733 A2-A3 20010308 (WO 0116733)
Application: WO 2000US23885 20000831 (PCT/WO US0023885)
Priority Application: US 99387575 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English

Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 150393

English Abstract
  A system, method and article of manufacture are provided for batching logical requests for reducing network traffic. A group of business objects necessary for a transaction are provided and managed in a logical unit of work. Logically-related requests received from the logical unit of work are grouped into a single network message which is then stored. The message is sent upon receiving an order to send the message.
French Abstract
  La presente invention concerne un systeme, un procede et un article manufacture destine a la mise en lots des requetes de facon a reduire le trafic reseau. A cet effet, on constitue un groupe d'objets d'affaire necessaires a une transaction et on le gere dans une unite logique de travail. Les requetes entre lesquelles existent des liaisons logiques sont regroupees en un unique message de reseau qui est alors mis en memoire. L'envoi du message intervient des la reception d'un ordre d'envoi du message.

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Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020221 Late publication of international search report
Republication 20020221 A3 With international search report.

Fulltext Availability:
  Detailed Description

Detailed Description
... it reduces the time and cost by which a solution is delivered.

  Some of the **specific** technical benefits of a good architecture are.

  Simplified Application Development
  Provides common set of application...

21/5,K/12 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784137
SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE COLLECTION IN ENVIRONMENT SERVICES PATTERNS
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
  BOWMAN-AMUAH Michel K, 6416 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200116729 A2-A3 20010308 (WO 0116729)
  Application: WO 2000US24238 20000831 (PCT/WO US0024238)
  Priority Application: US 99386435 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150959

English Abstract
A system, method and article of manufacture are provided for detecting an orphaned server context. A collection of outstanding server objects is maintained and a list of contexts is created for each of the outstanding server objects. A compilation of clients who are interested in each of the outstanding server objects are added to the list. Recorded on the list is a duration of time since the clients invoked a method accessing each of the contexts of the outstanding server objects. The list is examined at predetermined intervals for determining whether a predetermined amount of time has passed since each of the objects has been accessed. Contexts that have not been accessed in the predetermined amount of time are selected and information is sent to the clients identifying the contexts that have not been accessed in the predetermined amount of time.

French Abstract
L'invention concerne un systeme, un procede et un article de fabrication permettant de detecter un contexte de serveur a l'abandon. On conserve une collection d'objets de serveur en cours et on cree une liste de contextes pour chaque objet dudit serveur, a laquelle on ajoute une compilation de clients s'interessant a chaque objet de serveur en cours. On enregistre sur la liste une duree a partir du moment ou les clients lancent un procede leur permettant d'acceder a chaque contexte des objets de serveur en cours. La liste est examinee a des intervalles predetermines pour etablir si, depuis l'acces auxdits objets, un delai predetermine s'est ecoule ou non. Les contextes auxquels on n'a pas accede dans le delai predetermine sont selectionnes et les clients informes de l'identite de ces contextes.

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Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20021227 Late publication of international search report
Republication 20021227 A3 With international search report.
Search Rpt 20021227 Late publication of international search report
Correction 20030904 Corrected version of Pamphlet: pages 1/120-120/120, drawings, replaced by new pages 1/119-119/119
Republication 20030904 A3 With international search report.

21/5,K/13 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784136
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES PATTERNS IN A NETCENTRIC ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE L'INTERNET
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918

, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116728 A2-A3 20010308 (WO 0116728)
Application: WO 2000US24197 20000831 (PCT/WO US0024197)
Priority Application: US 99387658 19990831
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150863

English Abstract
A system, method, and article of manufacture are provided for implementing business logic service patterns for allowing reuse of a business object in a component-based architecture. An attribute dictionary pattern is used for controlling access to data of a business object via an attribute dictionary. A constant class pattern is provided for ensuring correct data at an attribute level. The patterns are utilized for reusing a business object which is classified as a business component, a business service, and/or a business facility.

French Abstract
L'invention porte sur un systeme, un procede et un article de fabrication s'appliquant a la mise en oeuvre de structures de services de logique de commerce en vue d'etre autorise a utiliser un objet commercial dans une architecture a base de composants. Une structure de dictionnaire d'attributs est utilisee pour commander l'acces aux donnees d'un objet commercial via un dictionnaire d'attributs. Une structure de classement constant assure la correction des donnees a un niveau d'attributs. Les structures sont utilisees pour reutiliser un objet commercial classifie comme composant commercial, service commercial et/ou installation commerciale.

Legal Status (Type, Date, Text)
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Republication 20030109 A3 With international search report.

21/5,K/14 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784135
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LOCALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION METTANT EN OEUVRE UNE INTERFACE ADRESSABLE LOCALEMENT DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918 , US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 09967-3024, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116727 A2-A3 20010308 (WO 0116727)
Application: WO 2000US24189 20000831 (PCT/WO US0024189)
Priority Application: US 99387064 19990831
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 151048

English Abstract
A system, method, and article of manufacture are provided for delivering service via a locally addressable interface. A plurality of globally addressable interfaces and a plurality of locally addresable interfaces are provided. Access is allowed to a plurality of different sets of services from each of the globally addressable interfaces and the locally addressable interface. Each interface has a unique set of services associated therewith. The globally addressable interfaces are registered in a naming service for facilitating access thereto. Use of the locally addressable interfaces is permitted only via the globally addressable interfaces or another locally addressable interface.

French Abstract
L'invention concerne un systeme, un procede et un article de production qui mettent en oeuvre une interface adressable localement pour fournir des services. Plusieurs interfaces adressables globalement et plusieurs interfaces adressables localement sont mises en place. L'acces a plusieurs ensembles de services differents est autorise a partir de chacune des interfaces adressables globalement et des interfaces adressables localement. A chaque interface est associe un ensemble unique de services. Les interfaces adressables globalement sont enregistrees dans un service d'affectation de noms pour en faciliter l'acces. L'utilisation des interfaces adressables localement n'est autorisee que si l'on passe par des interfaces adressables globalement ou par une autre interface adressable localement.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020110 Late publication of international search report
Republication 20020110 A3 With international search report.

21/5,K/15 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784134
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CONSTANT CLASS COMPONENT IN A BUSINESS LOGIC SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UN COMPOSANT DE CLASSE DE CONSTANTE DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE LOGIQUE D'AFFAIRES

Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)

Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200116726 A2-A3 20010308 (WO 0116726)
Application: WO 2000US24188 20000831 (PCT/WO US0024188)
Priority Application: US 99387213 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150446

English Abstract
A system, method, and article of manufacture are provided for managing constants in a computer program. A plurality of constant names are provided. Each of the constant names has a corresponding constant value. The constant names are grouped into constant classes based on an entity which the constant values represents. Access is allowed to the constant values by receiving a call including the corresponding constant name and corresponding constant class.

French Abstract
L'invention porte sur un systeme, un procede et un article de gestion des constantes d'un programme d'ordinateur. On etablit les noms de differentes constantes a chacun desquels correspond la valeur d'une constante, puis les noms sont regroupes par classes de constantes en fonction d'une entite representant les valeurs des constantes. L'acces a une valeur de constante est autorise lors de la reception d'un appel comprenant le nom et la classe de la constante correspondante.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020502 Late publication of international search report
Republication 20020502 A3 With international search report.

21/5,K/16 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784132
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LEGACY WRAPPER IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET DISPOSITIF POUR MODULE D'HABILLAGE EXISTANT DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:
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(Residence), US (Nationality)
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200116724 A2-A3 20010308 (WO 0116724)
Application: WO 2000US24084 20000831 (PCT/WO US0024084)
Priority Application: US 99386834 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150947

English Abstract
A system, method, and article of manufacture are provided for affording access to a legacy system. A plurality of components coupled to a client via a component integration architecture are provided for servicing the client. A legacy system is interconnected to the client via the integration architecture using a legacy wrapper. The legacy system and the client are interfaced via the legacy wrapper by communicating with the client by way of a first protocol and by communicating with the legacy system by way of a second protocol.

French Abstract
Cette invention concerne un systeme, un procede et un dispositif donnant acces a un systeme existant. Une pluralite de composants relies a un client via une architecture d'integration de composants est mise a la disposition du client. Un systeme existant est interconnecte via l'architecture d'integration au moyen d'un module d'habillage existant. Le systeme existant et le client sont mis en interface via le module d'habillage existant, la communication avec le client se faisant au moyen d'un premier protocole, celle avec le systeme existant au moyen d'un second protocole.

Legal Status (Type, Date, Text)
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21/5,K/17 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784131
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A MULTI-OBJECT FETCH COMPONENT IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR COMPOSANT DE RECUPERATION MULTI-OBJET DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES D'INFORMATIONS

Patent Applicant/Assignee:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200116723 A2-A3 20010308 (WO 0116723)
Application: WO 2000US24083 20000831 (PCT/WO US0024083)
Priority Application: US 99386238 19990831
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150940

English Abstract
A system, method, and article of manufacture are provided for retrieving muliple business objects across a network in one access operation. A business object and a plurality of remaining objects are provided on a persistent store. Upon receiving a request for the business object, it is established which of the remaining objects are related to the business object. The related objects and the business object are retrieved from the persistant store in one operation and it is determined how the retrieved related objects relate to the business object and each other. A graph of relationships of the business and related objects is instantiated in memory.

French Abstract
La presente invention concerne un systeme, un procede et un article manufacture destine a la recuperation de plusieurs objets d'affaires dans un reseau en une operation d'acces. A cet effet, on dispose dans une memoire permanente d'un objet d'affaire et d'une pluralite d'objets restants. Des la reception d'une requete se rapportant a un objet d'affaires, on recherche deux des objets restants qui sont en relations avec l'objet d'affaires. Une seule operation permet ainsi de recuperer dans la memoire permanente ces objets ainsi que l'objet d'affaires. Il ne reste plus qu'a determiner les relations existant d'une part entre les objets consideres et d'autre part entre ces objets et l'objet d'affaires. Une instanciation d'un graphique des relations entre les objets et l'objet d'affaire est conservee en memoire.

Legal Status (Type, Date, Text)
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Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date
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21/5,K/18 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784126

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR AN EXCEPTION RESPONSE TABLE IN ENVIRONMENT SERVICES PATTERNS

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A UNE TABLE DE REPONSE D'EXCEPTION DANS DES CONFIGURATIONS DE SERVICES D'ENVIRONNEMENT

Patent Applicant/Assignee:
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Inventor(s):
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Legal Representative:
HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 38th Floor, 2029 century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200116706 A2-A3 20010308 (WO 0116706)
Application: WO 2000US24086 20000831 (PCT/WO US0024086)
Priority Application: US 99387873 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150318

English Abstract
A system, method and article of manufacture are provided for recording exception handling requirements for maintaining a consistent error handling approach. An exception response table is provided in which an exception is recorded. The context of the exception is entered in the exception response table and a response for the exception is listed in the exception response table. The response is subsequently outputted upon the exception occuring in the context.

French Abstract
L'invention concerne un systeme, un procede et un article de production qui permettent d'enregistrer des exigences de traitement d'exception dans le but de maintenir une approche de traitement d'erreurs coherente. Une table de reponse d'exception est fournie et une exception enregistree dans cette table. Le contexte de l'exception est entre dans la table de reponse d'exception apres quoi une reponse pour l'exception est listee dans la table. Cette reponse est ensuite produite si l'exception apparait dans le contexte.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
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Republication 20011122 A3 With international search report.
Examination 20011220 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... Program Shells
GUI Window painter
Prototyping tools

Programmer APIs
Testing tools
36
Source code control / **build** process
Perfon-nance test tools
Productivity tools
Design tools
Compiler/debugger
Editor
Refer to the...phase of a project.

It is also important to understand whether the framework is vendor **specific** in nature (proprietary) or whether it is available for use by a large number of...

...is architecture important?
One has seen the benefits of an architectural approach to information systems **development** .
better productivity and less reinvention of the wheel. An architecture provides a completeness check, ensuring...

21/5,K/19 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784125
SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PIECEMEAL RETRIEVAL IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A LA RECHERCHE FRAGMENTAIRE DANS UN ENVIRONNEMENT DE MODELES DE SERVICES D'INFORMATIONS
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918 , US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116705 A2-A3 20010308 (WO 0116705)
Application: WO 2000US24085 20000831 (PCT/WO US0024085)
Priority Application: US 99386433 19990831
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150355

English Abstract
A system, method and article of manufacture are provided for providing a warning upon retrieval of objects that are incomplete. An object is provided with at least one missing attribute. Upon receipt of a request from an application for the object access to the attributes of the object is allowed by the application. A warning is provided upon an attempt to access the attribute of the object that is missing.

French Abstract
L'invention concerne un systeme, un procede et un article de fabrication concus pour emettre un avertissement lors de l'extraction d'objets qui sont incomplets. L'objet fourni presente au moins un attribut manquant. Des la reception d'une requete d'une application pour l'objet, ladite application autorise l'acces aux attributs de cet objet. Un avertissement est emis lorsque l'on tente d'acceder a l'attribut manquant de l'objet.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20011122 Late publication of international search report
Republication 20011122 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description
... it possible for different programmers to mix and match characteristics of many different classes and **create** specialized **objects** that can still work with related objects in predictable ways.

Class hierarchies and containment hierarchies provide a flexible mechanism for **modeling** real-world objects and the relationships among them.

Libraries of reusable classes are useful in...

21/5,K/20 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784119
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A REFRESHABLE PROXY POOL IN A COMMUNICATION ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE POUR GROUPE D'ELEMENTS MANDATAIRES (PROXY) RAFRAICHISSABLES DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116668 A2-A3 20010308 (WO 0116668)
Application: WO 2000US24113 20000831 (PCT/WO US0024113)
Priority Application: US 99386239 19990831
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/46
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 149976

English Abstract
A system, method, and article of manufacture are provided for interfacing a naming service and a client with the naming service allowing access to a plurality of different sets of services from a plurality of globally addressable interfaces. The naming service calls for receiving locations of the global addressable interfaces. As a result of the calls, proxies are generated based on the received locations of the global addressable interfaces. The proxies are received in an allocation queue where the proxies are then allocated in a proxy pool. Access to the proxies in the proxy pool is allowed for identifying the location of one of the global addressable interfaces in response to a request received from the client.

French Abstract
L'invention concerne un systeme, un procede et un article permettant d'assurer l'interface entre un service de denomination et un client, le service de denomination donnant acces a plusieurs series de services a partir de plusieurs interfaces globalement adressables. Le service de denomination etablit des appels pour recevoir les emplacements des interfaces globalement adressables. Suite aux appels en question, les elements proxy sont etablis sur la base des emplacements recus pour les interfaces globalement adressables. Ces elements sont recus dans une file d'attente d'affectation puis attribues a un groupe d'elements proxy depuis la file d'attente. L'acces aux elements de ce groupe est autorise pour identifier l'emplacement de l'une des interfaces globalement adressables, en reponse a une demande recue de la part d'un client.

Legal Status (Type, Date, Text)
Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020221 Late publication of international search report
Republication 20020221 A3 With international search report.

Fulltext Availability:
Claims

Claim
... most projects find that they need a third type of expert - e.g., a component/ **object modeling** architect(s), to provide direction. 304
Four primary online **development** roles may be defined: window team members **developed** the window- **specific** functionality. Their role was biased towards consuming rather than providing common object behaviors, although there...

21/5,K/21 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00777046 **Image available**
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR NETWORK PERFORMANCE MODELING
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR LA MODELISATION DE PERFORMANCES BASEE SUR LE COMMERCE ELECTRONIQUE
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelley, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):

Patent: WO 200110082 A2-A3 20010208 (WO 0110082)
Application: WO 2000US20548 20000728 (PCT/WO US0020548)
Priority Application: US 99364732 19990730
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-012/26
International Patent Class: H04L-012/24
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 134154

English Abstract
A system, method and article of manufacture are provided for network performance modeling. Factors that influence a performance of a network are first identified. Next, a model is developed to simulate the performance of the network based on the identified factors. Operation of the network is then simulated with the model with the simulation being carried out using expected future loads. The network is then designed based on results of the simulation in order to accommodate the expected future loads on the network.

French Abstract
L'invention concerne un systeme, un procede et un article de production destines a la modelisation des performances d'un reseau. Des facteurs ayant une influence sur les performances d'un reseau sont tout d'abord identifies. Ensuite, un modele est developpe pour simuler les performances du reseau sur la base des facteurs identifies. Le fonctionnement du reseau est alors simule a l'aide du modele, la simulation etant executee a l'aide des charges futures attendues. Le reseau est alors concu sur la base des resultats de la simulation afin de traiter les charges futures attendues sur le reseau.

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Publication 20010208 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010621 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020228 Late publication of international search report
Republication 20020228 A3 With international search report.

Fulltext Availability:
Claims

Claim
... 247
Create Architecture and Application DSN's (Data Source Names). This process sets
up an **ODBC**
Run the 3213it Administrator in the Control Panel. **Make** sure connection from
that the tab for System DSN is **selected** . the **developers** '
Select Add, then Microsoft **ODBC** for Oracle machine to the
The Data Source Name is AFUser, and the Server "retal...

21/5,K/22 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00762439 **Image available**

METHOD AND APPARATUS FOR DATA ACCESS TO HETEROGENEOUS DATA SOURCES

PROCEDE ET APPAREIL PERMETTANT D'ACCEDER A DES SOURCES DE DONNEES HETEROGENES

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Patent Applicant/Inventor:
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YEDWAB Gadi, 4256 Fir Avenue, Seal Beach, CA 90740, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
BASINSKI Erwin J (et al) (agent), Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200075849 A2-A3 20001214 (WO 0075849)
Application: WO 2000US4249 20000218 (PCT/WO US0004249)
Priority Application: US 99328049 19990608
Parent Application/Grant:
Related by Continuation to: US 99328049 19990608 (CIP)
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
International Patent Class: G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 34615

English Abstract
The present invention is a middleware system which can provided efficient access to disparate data sources such as relational databases, non-relational databases, multidimensional databases and the like, in a manner which requires the selection of the data access parameters to be done only once and wherein these selected parameters are thereafter useable for the desired data access regardless of changes to the file structures of the data sources themselves. Additionally, access to newly specifided data sources can be easily added to the system. Obtained data from the disparate data sources are displayed in a common format regardless of the source of the data and are displaced as streamed result sets.

French Abstract
L'invention concerne un systeme d'intergiciel offrant un acces efficace a diverses sources de donnees, telles que des bases de donnees relationnelles, non relationnelles, multidimensionnelles et analogues, de telle facon que les parametres d'acces aux donnees ne puissent etre selectionnes qu'une seule fois et que ces derniers soient utilisables par la suite en vue de l'acces aux donnees desirees sans qu'il soit tenu compte des modifications apportees aux structures de fichier des sources de donnees elles-memes. En outre, l'acces a des sources de donnees nouvellement specifiees peut etre facilement ajoute au systeme. Les donnees provenant des diverses sources de donnees sont affichees de facon continue, sous la forme d'ensembles de resultats, dans un format commun qui ne tient pas compte de la source des donnees.

Legal Status (Type, Date, Text)
Publication 20001214 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010315 Request for preliminary examination prior to end of

19th month from priority date
Search Rpt 20020321 Late publication of international search report
Republication 20020321 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description
... identical to listing colunms of a table object.

Therefore, we can retrieve data from a **multidimensional data** source by simply 1 5 naming an object in a "getData(" call, or **constructing** a Selector **object** that names the hypercube **object** and includes **selected** dimensions using the "includeColunm(" method of Selector.

In both cases you will get the data...

21/5,K/23 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00752060 **Image available**
A METHOD AND SYSTEM FOR HANDLING ERRORS IN A DISTRIBUTED COMPUTER SYSTEM
PROCEDE ET SYSTEME POUR GERER DES ERREURS DANS UN SYSTEME INFORMATIQUE REPARTI
Patent Applicant/Assignee:
UNIVERSAL MUSIC GROUP, 70 Universal City Plaza, Universal City, CA 91608, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
GALUTEN Albhy, 525 West Rustic Road, Santa Monica, CA 90402, US, US (Residence), US (Nationality), (Designated only for: US)
WILLIAMS Peter, 33/57 Darlinghurst Road, Potts Point, Sydney, 2011, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
YANNEY Pierre R, Darby & Darby P.C., 805 Third Avenue, New York, NY 10022-7513, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200065448 A1 20001102 (WO 0065448)
Application: WO 2000US11702 20000427 (PCT/WO US0011702)
Priority Application: US 99131412 19990428
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-011/34
Publication Language: English
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Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 3870

English Abstract
A method and system for tracking and processing errors in a distributed computer system. As an application encounters an error, a centralized system intercepts and assumes the processing of that error event. The central error processing may be used with a distributed network connecting the applications running on various user computers. Upon receipt of an error message from an application (22), the system creates an informative error package (30), propagates appropriate error alert to relevant subsystems (34), and attempts to resolve the error. The error may be resolved in various ways. For example, the system may select and

dispatch appropriate help information to the user (32); or the system may locate an alternative resource to substitute for the failed resource (38). The system may prioritize errors when there is more than one error still unresolved at any given time (36). In addition, the system may filter errors that require different levels of response (40)and the system may direct errors to resources capable of assisting in resolving the error.

French Abstract
L'invention concerne un procede et un systeme pour le suivi et le traitement d'erreurs dans un systeme informatique reparti. Lorsqu'une application rencontre une erreur, un systeme centralise intercepte et prend en charge le traitement dudit evenement erreur. Le traitement central d'erreur peut etre utilise conjointement avec un reseau reparti connectant les applications exploitees sur divers ordinateurs d'utilisateurs. Lors de la reception d'un message d'erreur provenant d'une application (22), le systeme cree un progiciel d'erreur informatif (30), transmet l'alerte d'erreur appropriee aux sous-systemes pertinents (34), et essaie de resoudre l'erreur. L'erreur peut etre resolue de differentes manieres. Par exemple, le systeme peut selectionner et envoyer les informations d'aide appropriees a l'utilisateur (32) ; ou le systeme peut localiser une ressource alternative pour la substitution de la ressource a defaut (38). Le systeme peut classer les erreurs par ordre de priorite en presence de plus d'une erreur non resolue a un moment donne (36), quel qu'il soit. Par ailleurs, le systeme peut filtrer les erreurs qui necessitent differents niveaux de reponse (40) et le systeme peut diriger les erreurs sur des ressources capables d'aider a la resolution de l'erreur.

Legal Status (Type, Date, Text)
Publication 20001102 A1 With international search report.
Examination 20010215 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... Errors can be related to
6
each other in an object model using commonly known **Object Modeling** techniques, including, but not limited to, inheritance, pre and post conditions and attributes. Further details of such **Object Modeling** may be found in Meyer, " **Object** Oriented Software **Construction** " (Prentice Hall), the contents of which are incorporated herein by reference. The identification of the relationship between errors and the treatment of these as **individual objects** within a systematic model provides I 0 the core of the Error Resource Server. The...

21/5,K/24 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00449234
SOFTWARE DEVELOPMENT TOOL WITH OBJECT MODELING LANGUAGE
OUTIL DE MISE AU POINT DE LOGICIELS A LANGAGE DE MODELISATION PAR OBJETS
Patent Applicant/Assignee:
DYNAMICS RESEARCH CORPORATION,
Inventor(s):
KELLER Steven,
GORZELA Richard,
STROM Daniel,
HUGHES David,
HOLT James,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9839698 A2 19980911
Application: WO 98US3867 19980226 (PCT/WO US9803867)

Priority Application: US 97813487 19970307
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G06F-017/50
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 24510

English Abstract
A software development tool (27) utilizes an intermediate object modeling language (24). The structure of the desired program is first described graphically by generating rule diagrams (12), state diagrams (14), and object diagrams (16) such as user interface diagrams (18), event diagrams (20) and other object diagrams (22). The development tool employs the diagrams to generate a working model of the program expressed in the object modeling language. The working model of the program can be executed without lengthy compiling, and hence program behavior can be quickly observed and tested. Further, the behavior of the working model can be quickly and easily changed by modifying the diagrams until the desired result is achieved. Source code (28) is then generated (31) from the object modeling language (24) and compiled to create the final program (10).
French Abstract
La presente invention concerne un outil de mise au point de logiciels utilisant un langage intermediaire de modelisation par objets. On commence par decrire graphiquement la structure attendue du programme en generant des diagrammes de regles, des diagrammes d'etats et des diagrammes d'objets tels que diagrammes d'interfaces utilisateur, des diagrammes d'evenements et d'autres diagrammes d'objets. L'outil de mise au point utilise ces diagrammes pour generer un modele de travail du programme decrit dans le langage de modelisation par objets. Le modele de travail du programme est executable sans que la compilation ne soit trop longue, a la suite de quoi il est possible d'observer et de tester rapidement le comportement du programme. En outre, on peut changer rapidement et facilement le comportement du modele de travail en modifiant les diagrammes jusqu'a atteindre le resultat attendu. Le code origine est alors genere a partir du langage de modelisation par objets puis compile pour creer le programme final.

Fulltext Availability:
Detailed Description

Detailed Description
... and not
an Employee) . However, all of the information needed to describe typing can be **represented** and a **specific object modeling** language program can be written that enforces a specific kind of typing- For example, it...predefined sections 534: sendEvent
570, generateEvent 572, processEvent 574, dispatchEvent 576 and dispatchEventToSubclasses 536.

When **generating** the **object modeling** language rules specific to the diagram three types of inheritance are provided: object inheritance, state inheritance and event inheritance. Iterators are employed to provide the **specified** inheritances. **Object** inheritance is initially provided by employing an iterator in the predefined section 534 at line...

21/5,K/25 (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00448446

OPEN ARCHITECTURE CARDIOLOGY INFORMATION SYSTEM

SYSTEME D'INFORMATION CARDIOLOGIQUE A ARCHITECTURE OUVERTE

Patent Applicant/Assignee:
QUINTON INSTRUMENT COMPANY,
WRIGHT Gregory John,
HOCHBERG Philip Scott,
BELLUSCI Darcy B,
BRINSTER Eric G,
BRINTON Mark W,
FOLKERTS Sue R,
FOSTER Brian T,
KING Anthony E,
MALONEY Kevin P,
NEWELL Todd E,
PIERCE Thomas D,
SHOEMAKER Linda J,
TOLAN John J,
WOOTTEN James M,
BOLLES Gregory A,
GODDARD Kathie,
LY Chou Ying,
MALLEY John A,
PETERSON Eric D,
RABBERS David L,
SCHMIDT Kurt,

Inventor(s):
WRIGHT Gregory John,
HOCHBERG Philip Scott,
BELLUSCI Darcy B,
BRINSTER Eric G,
BRINTON Mark W,
FOLKERTS Sue R,
FOSTER Brian T,
KING Anthony E,
MALONEY Kevin P,
NEWELL Todd E,
PIERCE Thomas D,
SHOEMAKER Linda J,
TOLAN John J,
WOOTTEN James M,
BOLLES Gregory A,
GODDARD Kathie,
LY Chou Ying,
MALLEY John A,
PETERSON Eric D,
RABBERS David L,
SCHMIDT Kurt,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9838910 A1 19980911
Application: WO 98US3941 19980303 (PCT/WO US9803941)
Priority Application: US 9739282 19970303; US 97805841 19970303

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: A61B-005/04

Publication Language: English

Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 75089

English Abstract

A clinical information reporting system for use with an electronic

database for a health care facility, the electronic database being a relational and modular database for the provision of a scalable and extensible configuration preferably consisting of a workstation as the base configuration and being configurable for use in small and medium network situations and being particularly adapted for the receipt, manipulation, modification and generation of cardiology reports such as resting ECG records and stress ECG records.

French Abstract
La presente invention concerne un systeme de bilans cliniques s'utilisant avec une base de donnees electronique d'une structure sanitaire. La base de donnees electronique, qui est de type relationnel et modulaire, permet des extensions ulterieures. La configuration materielle, qui est elle-meme extensible, se compose essentiellement d'un poste de travail qui peut s'integrer a des environnements de petits et moyens reseaux adaptes a la reception, la manipulation, la modification et la generation de bilans cardiaques tels que ceux a base d'enregistrements d'electrocardiogrammes de repos et d'effort.

Fulltext Availability:
Detailed Description

Detailed Description
... system requirements. The interface between the two CIS subsystems, Platform and Application Software, is preferably **defined** by a WIN32 API which is the Windows NT Application Interface and an **ODBC** which is a generic Database query language.

The client/server model as used in the preferred **form** of the present invention, decrees three basic subsystems, the client, the server and the client...

21/5,K/26 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00367143 **Image available**
METHOD AND APPARATUS FOR STORING AND RETRIEVING DATA IN A RELATIONAL DATABASE USING AN OBJECT MODEL
PROCEDE ET APPAREIL DE STOCKAGE ET D'EXTRACTION DE DONNEES DANS UNE BASE DE DONNEES RELATIONNELLE AU MOYEN D'UN MODELE OBJET
Patent Applicant/Assignee:
WALL DATA INCORPORATED,
Inventor(s):
OLDS Christopher C,
KROENKE David M,
GORDON Matthew C,
STANFORD Cathryn A,
KAWAI Kenji,
LI Jing,
MILLER Michael D,
CAI Zhiya,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9707470 A1 19970227
Application: WO 96US13284 19960815 (PCT/WO US9613284)
Priority Application: US 95516446 19950817
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G06F-017/30
Publication Language: English
Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 55569

English Abstract
Disclosed is a design tool (50) including a custom application (51) for creating forms and reports based on objects in an object model in order to store and retrieve data from a relational database (52). The forms also enable queries to be performed on data stored in the relational database. The design tool runs on a computer (62) that includes a processing unit (63) controlled by an operating system (64).

French Abstract
L'invention se rapporte a un outil de conception (50) comprenant une application personnalisee (51) servant a creer des formulaires et des etats sur la base d'objets appartenant a un modele objet afin de stocker et d'extraire des donnees d'une base de donnees relationnelle (52). Les formulaires permettent egalement d'interroger des donnees stockees dans la base de donnees relationnelle. L'outil de conception fonctionne sur un ordinateur (62) qui comprend une unite de traitement centrale (63) commandee par un systeme d'exploitation (64).

Fulltext Availability:
Detailed Description

Detailed Description
... action groups and their implementation, please see FIGURES 16-22 and the accompanying text.
Semantic **Object Modeling** Definitions
Now that the reader has a rudimentary knowledge of semantic **object modeling** , **forms** , and reports, the invention will be described in greater detail. Prior to doing so, a compendium of terms that are **particular** to semantic **object modeling** and the invention are defined below. With the exception of the term semantic object, definitions...

21/5,K/27 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00360173 **Image available**
APPARATUS AND METHOD FOR DYNAMIC MODELING OF AN OBJECT
DISPOSITIF ET PROCEDE DE CREATION D'UN MODELE DYNAMIQUE D'OBJET
Patent Applicant/Assignee:
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA,
METAXAS Dimitri,
Inventor(s):
METAXAS Dimitri,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9700498 A1 19970103
Application: WO 96US10413 19960614 (PCT/WO US9610413)
Priority Application: US 95282 19950616
Designated States: AU CA JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06T-017/40
International Patent Class: G06T-15:70; G06T-07:20; G06T-07:60
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 12408

English Abstract
A method and apparatus for dynamic modeling of an object having material points. The method includes receiving signals from a sensor (403) which correspond to respective material points; providing a volumetric model, having functions as parameters, representative of the object; and adapting the parameters to fit a changing model shape. This method of dynamic shape modeling, dynamic motion modeling or both includes shape estimation and motion analysis. The apparatus includes a signal processor

(405) for receiving signals from a sensor, a second signal processor (407) for providing a volumetric model having functions as parameters representative of the object and a third signal processor (409) for receiving sensed signals and adapting the model and providing a dynamic representation.

French Abstract
Procede et dispositif servant a creer un modele dynamique d'objet possedant des points materiels. Ce procede consiste a recevoir des signaux depuis un detecteur (403) correspondant a des points materiels respectifs, a produire un modele volumetrique possedant des fonctions en tant que parametres, representant l'objet, et a regler les parametres afin qu'ils s'adaptent a une forme de modele variable. Ce procede de creation d'un modele dynamique de forme ou de mouvement, ou les deux, comprend une estimation de forme et une analyse de mouvement. Le dispositif comprend un processeur de signaux (405) servant a recevoir des signaux depuis un detecteur, un deuxieme processeur de signaux (407) servant a produire un modele volumetrique possedant des fonctions en tant que parametres representant l'objet et un troisieme processeur de signaux (409) servant a recevoir les signaux detectes, a adapter le modele et a produire une representation dynamique.

Fulltext Availability:
Detailed Description

Detailed Description
... by a sensor and related
to sensor-generated data points, can be used for dynamic
object modeling , shape estimation, and motion analysis,
including natural, man- **made** , and computer- **generated objects** .

Similarly, although **certain** embodiments are described in terms of tagged magnetic resonance data points sensed by a magnetic...

21/5,K/28 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00308379 **Image available**
POLYMORPHIC NETWORK METHODS AND APPARATUS
RESEAU POLYMORPHE ET SON EXPLOITATION
Patent Applicant/Assignee:
ESTES Mark D,
Inventor(s):
ESTES Mark D,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9526531 A1 19951005
Application: WO 94US3335 19940328 (PCT/WO US9403335)
Priority Application: WO 94US3335 19940328
Designated States: AU BR CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06F-015/20
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 23616

English Abstract
A modular, polymorphic network interconnecting a plurality of electronically reconfigurable devices (1300) via a modular, polymorphic interconnect, to permit a fixed, physical configuration of operating hardware devices (1300) to take on a plurality of logically addressable configurations (1802). The modular, polymorphic interconnect further permits allocation and deallocation of selected electronically reconfigurable devices (1300) for a particular logically addressable configuration (1802). The modular, polymorphic interconnect additionally

permits the logical topology (1802) of selected electronically reconfigurable devices (1300) to be configured as at least one mixed-radix, N-dimensional network (3400). The logical topology of mixed-radix, N-dimensional networks (3400) can be dynamically changed under control for a new configuration of logical addresses (1802) for selected electronically reconfigurable devices (1300). The modular, polymorphic interconnect also permits one or more electronically reconfigurable devices (1300) to be selected from at least one logically related set of electronically reconfigurable devices (1300), making the resulting network system particularly well suited for a variety of purposes related to resource management.

French Abstract

L'invention concerne un reseau modulaire et polymorphe, interconnectant une pluralite de dispositifs (1300) reconfigurables electroniquement, par l'intermediaire d'un systeme d'interconnexion modulaire et polymorphe, permettant a une configuration physique fixe de dispositifs machine fonctionnels (1300) de prendre une pluralite de configurations logiques adressables (1802). Le systeme d'interconnexion modulaire et polymorphe permet, en outre, d'affecter et de desaffecter un dispositif (1300) reconfigurable electroniquement choisi pour obtenir une configuration particuliere adressable logiquement (1802). Le systeme d'interconnexion polymorphe et modulaire permet, en outre, de configurer la topologie logique (1802) du dispositif (1300) reconfigurable electroniquement choisi sous la forme d'au moins un reseau N-dimensionnel (3400) a base multiple. La topologie logique des reseaux N-dimensionnels (3400) a base multiple peut etre changee dynamiquement et d'une maniere controlee en une nouvelle configuration d'adresses logiques (1802) pour le dispositif (1300) reconfigurable electroniquement choisi. Le systeme d'interconnexion modulaire et polymorphe permet egalement de choisir un ou plusieurs dispositifs (1300) reconfigurables electroniquement, dans au moins un jeu de dispositifs (1300) configurables electroniquement et proches sur le plan logique, ce qui rend le systeme de reseau obtenu particulierement bien adapte a une variete d'utilisations liees a la gestion des ressources.

Fulltext Availability:
Claims

Claim

... codewords changes, comprising the steps of:
allocating a context configuration control network;
inputting, using the **plurality** of **dimensions** , **data representing** a **particular object** space configuration;
inputting the first dimension, corresponding to a particular step in the Gray code...

...of codewords, comprising the steps of:
allocating a context configuration control network;
inputting, using the **plurality** of **dimensions** ,, **data representing** -a **particular object** space configuration;
inputting the first dimension, corresponding toa particular bit position of a codeword for...

?

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File 347:JAPIO Oct 1976-2003/Sep(Updated 040105)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200401
         (c) 2004  Thomson Derwent

Set     Items   Description
S1       1261   OBJECT(1W)MODEL???? ?
S2        139   OLAP OR ROLAP OR MOLAP OR (ONLINE OR LINE)()ANALYTIC?? ?()-
            PROCESS??? ?
S3       1973   MULTIDIMENSION?? ?
S4       3017   (MULTI OR MANY OR SEVERAL OR NUMEROUS OR PLURALIT? OR MULT-
            IPLE OR MULTITUD? OR MULTIPLICITY OR PLURIF?)(1W)DIMENSION?
S5        624   OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ? OR R-
            DB? ? OR RDBM? ?
S6      97433   DBMS OR DATABASE? ? OR DATASET? ? OR DATABANK? OR DATAFILE?
             ? OR DB
S7          0   ADAPTIVE()INSTANTIAT?
S8     453169   OBJECT? ?
S9      28059   S8(3N)(INSTANTIAT? OR CREAT??? ? OR DECLAR??? ? OR REPRESE-
            NT??? ? OR CONSTRUCT? OR GENERAT? OR MAKE? ? OR MADE OR PROD -
            OR PRODUCE? ? OR PRODUCING)
S10     22639   S8(3N)(DEVELOP? OR BUILD??? ? OR BUILT OR ESTABLISH? OR OR-
            IGINAT? OR DERIV? OR FORM OR FORMS OR FORMED OR FORMING OR FO-
            RMATION OR MAKING)
S11     12586   S8(2N)(SPECIFIE? ? OR SPECIFIC OR SPECIFY? OR DESIGNAT? OR
            PARTICULAR OR STATED OR SELECTED OR DEFINED OR DEFIITE OR IND-
            IVIDUAL OR CERTAIN OR SELECTIVE)
S12        57   S8(2N)DEFINITE
S13       563   S3:S4(1W)(DATA OR S6)
S14    197863   3D OR (THREE OR 3 OR THIRD)()(D OR DIMENSION?? ?) OR STERE-
            OSCOP? OR HOLOGRAPH? OR TRIMENSION? OR TRIDIMENSION? OR TERNA-
            RY OR CUBIC OR VOLUMETRIC
S15       102   S14(1W)S6
S16        88   OBJECT(1W)MODELING
S17        61   OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ?
S18       903   S2 OR S16:S17 OR S13 OR S15
S19        74   S18 AND S9:S10
S20        20   S18 AND S11:S12
S21         7   S20 AND S19
?t21/9/all

 21/9/1     (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004  Thomson Derwent. All rts. reserv.

015789218     **Image available**
WPI Acc No: 2003-851421/200379
XRPX Acc No: N03-679945
   Online  analytical  processing  query generation method involves
  processing query  object  using  specific  server selected based on
  property of  object , to  generate  query statement
Patent Assignee: LAWSON SOFTWARE INC (LAWS-N)
Inventor: BENDICKSON R S; JAQUIER G L; KILMER L E; PAVELKA T J
Number of Countries: 001  Number of Patents: 001
Patent Family:
Patent No     Kind   Date     Applicat No    Kind   Date     Week
US 6651055     B1  20031118  US 2001797303   A   20010301  200379  B

Priority Applications (No Type Date): US 2001797303 A 20010301
Patent Details:
Patent No  Kind Lan Pg   Main IPC     Filing Notes
US 6651055    B1    39 G06F-017/30

Abstract (Basic): US 6651055 B1
        NOVELTY - The method involves providing a query object capable of
    supporting several  online  analytical  processing  ( OLAP ) servers
    (302,304,306) using different structured query format and included in
```

group comprising Microsoft analysis service **OLAP** server (302) and Hyperion Essbase **OLAP** server (304). The query **object** is processed to **generate** a query statement using a specific **OLAP** server selected based upon the property of the query object.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **online analytical processing** query generation apparatus.

USE - For generating **OLAP** queries for use with different **OLAP** servers.

ADVANTAGE - By using simple and reliable method, **OLAP** queries can be generated easily and effectively.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **OLAP** query generation engine.

OLAP servers (302,304,306)
network interface (308)
clients (310,312,314)
network (316)
pp; 39 DwgNo 3/27

Title Terms: ANALYSE; PROCESS; QUERY; GENERATE; METHOD; PROCESS; QUERY; OBJECT; SPECIFIC; SERVE; SELECT; BASED; PROPERTIES; OBJECT; GENERATE; QUERY; STATEMENT
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4A; T01-J05C

21/9/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013912640 **Image available**
WPI Acc No: 2001-396853/200142
Related WPI Acc No: 1999-263154; 1999-276586; 1999-383851; 1999-384845; 1999-561206; 2000-037345; 2000-070839; 2000-146467; 2001-366443; 2002-654613
XRPX Acc No: N01-292393

Computerized broadcasting of messages within object **oriented** modeling **system, involves broadcasting secondary message to every receiving** object **in group** created **in** object **model**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BRODSKY S A; DONEY G C; GOLDING M M; GROSE T J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6243763	B1	20010605	US 96747057	A	19961112	200142 B
			US 96747058	A	19961112	
			US 96747414	A	19961112	
			US 96747415	A	19961112	
			US 96747416	A	19961112	
			US 96747417	A	19961112	
			US 97850214	A	19970502	

Priority Applications (No Type Date): US 97850214 A 19970502; US 96747057 A 19961112; US 96747058 A 19961112; US 96747414 A 19961112; US 96747415 A 19961112; US 96747416 A 19961112; US 96747417 A 19961112
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6243763	B1		27	G06F-009/54	CIP of application US 96747057
					CIP of application US 96747058
					CIP of application US 96747414
					CIP of application US 96747415
					CIP of application US 96747416
					CIP of application US 96747417
					CIP of patent US 5893913
					CIP of patent US 5907706
					CIP of patent US 5917498
					CIP of patent US 5983016
					CIP of patent US 5991536

Abstract (Basic): US 6243763 B1

NOVELTY - A primary transmitting **object** is **created** in an **object** model. The group is **created** in the **object** model such that a class receiving **object** is **specified** for the group where receiving object is from a collection consisting of an instance of class or an instance of subclass of the class. A primary message is sent to the primary transmitting object. A secondary message is sent to the group based on the receipt of the primary message. The secondary message is broadcast to every receiving object in the group.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computerized apparatus for broadcasting a message within an **object** oriented **modeling** system;

(b) Program for performing broadcasting of message within object oriented modelling system

USE - For broadcasting messages within **object** oriented **modeling** system.

ADVANTAGE - Effectively broadcasts message within an object oriented system in a simple, straight forward way without errors, by creating a group in the object model and broadcasting messages to every receiving object in group.

DESCRIPTION OF DRAWING(S) - The figure explains the steps for performing broadcasting of message within an **object** oriented **modeling** system.

pp; 27 DwgNo 14/14

Title Terms: COMPUTER; BROADCAST; MESSAGE; OBJECT; ORIENT; SYSTEM; BROADCAST; SECONDARY; MESSAGE; RECEIVE; OBJECT; GROUP; OBJECT; MODEL

Derwent Class: T01

International Patent Class (Main): G06F-009/54

File Segment: EPI

Manual Codes (EPI/S-X): T01-F05E

21/9/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013904329 **Image available**

WPI Acc No: 2001-388542/200141

XRPX Acc No: N01-285632

Object modeling **method involves** generating **specified probability density function, based on randomly selected state space points, hypothesis points and specified model to locate specified values in it**

Patent Assignee: COMPAQ COMPUTER CORP (COPQ)

Inventor: CHAM T; REHG J M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6226409	B1	20010501	US 98185279	A	19981103	200141	B

Priority Applications (No Type Date): US 98185279 A 19981103

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6226409	B1		36	G06K-009/62	

Abstract (Basic): US 6226409 B1

NOVELTY - Peak values corresponding to state space point, are determined from generated probability density function, based on randomly selected starting points of state space. Each state space point corresponds to hypothesis point. Specific probability density function is generated based on randomly selected points, hypothesis points and specific model **representing** the **object** , to locate **specific** peak values in it.

DETAILED DESCRIPTION - A probability density function is generated corresponding to the data read from a data structure by the processor. The generated function which specifies the probability of a model

representing specified data frame, is plotted in a state space having specified dimension corresponding to parameters of the model.

USE - For modeling objects in image obtained by video camera, radar system, sonar system, infrared system, astronomical observations of star systems, medical imaging using X-rays with dynamic image recording, magnetic resonance imaging, ultrasound, satellite imaging of earth.

ADVANTAGE - Since the peak values **representing** the target **object** are all located based on the randomly selected points and hypothesis points, an efficient numerical analysis is achieved.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the tracking method of multimode likelihood function.

pp; 36 DwgNo 6/22

Title Terms: OBJECT; METHOD; GENERATE; SPECIFIED; PROBABILITY; DENSITY; FUNCTION; BASED; RANDOM; SELECT; STATE; SPACE; POINT; HYPOTHESIS; POINT; SPECIFIED; MODEL; LOCATE; SPECIFIED; VALUE
Derwent Class: T01
International Patent Class (Main): G06K-009/62
International Patent Class (Additional): G06K-009/74
File Segment: EPI
Manual Codes (EPI/S-X): T01-J04A; T01-J04C; T01-J10A

21/9/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013588153 **Image available**
WPI Acc No: 2001-072360/200109
XRPX Acc No: N01-054834

Memory access to memory device with directory structure - has scheme extended by free configurable object and access to object carried out by conversion function controlling memory access

Patent Assignee: SIEMENS AG (SIEI)
Inventor: SPANGEHL P
Number of Countries: 020 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19936604	C1	20010125	DE 1036604	A	19990804	200109	B
WO 200111494	A2	20010215	WO 2000DE2541	A	20000801	200111	
EP 1266306	A2	20021218	EP 2000963866	A	20000801	200301	
			WO 2000DE2541	A	20000801		
JP 2003522352	W	20030722	WO 2000DE2541	A	20000801	200350	
			JP 2001516075	A	20000801		

Priority Applications (No Type Date): DE 1036604 A 19990804
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19936604	C1		9	G06F-017/30	
WO 200111494	A2	G			
	Designated States (National): JP US				
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
EP 1266306	A2	G		G06F-017/30	Based on patent WO 200111494
	Designated States (Regional): DE FR GB IT				
JP 2003522352	W		22	G06F-012/00	Based on patent WO 200111494

Abstract (Basic): DE 19936604 C

The **object** hierarchy is **represented** by a directory individual scheme (SK) in an access element (ZE) which control memory access of the computer application (DB-A) to the directory. The scheme is extended by at least one freely configurable object (EXT:FindExtendion). On access to the free configurable object and converter function (FindExtendsion) to control memory access, is carrier out.

The access element defines fields (F) using **objects** (OC) **defined** in the scheme and using attributes (sn,gn,or,tel,tin) assigned to objects in the directory (DIR). The defined fields are combined in the

access unit to a table structure (T) needed by the application (DB-A) for the memory access.
USE - For memory access into memory device with directory, for customer individual directories.
ADVANTAGE - Additional function in any programming language operates on standard available modules of **ODBC** and LDAP drivers.
Dwg.3/4
Title Terms: MEMORY; ACCESS; MEMORY; DEVICE; DIRECTORY; STRUCTURE; SCHEME; EXTEND; FREE; CONFIGURATION; OBJECT; ACCESS; OBJECT; CARRY; CONVERT; FUNCTION; CONTROL; MEMORY; ACCESS
Derwent Class: T01
International Patent Class (Main): G06F-012/00; G06F-017/30
File Segment: EPI
Manual Codes (EPI/S-X): T01-H05B1; T01-J05B; T01-J05B2B

21/9/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012865512 **Image available**
WPI Acc No: 2000-037345/200003
Related WPI Acc No: 1999-263154; 1999-276586; 1999-383851; 1999-384845; 1999-561206; 2000-070839; 2000-146467; 2001-366443; 2001-396853; 2002-654613
XRPX Acc No: N00-028025
Object oriented system modeling method
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BRODSKY S A; DONEY G C; GANGOPADHYAY D; GOLDING M M; MITRA S; PANWAR R B
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5983016	A	19991109	US 96747058	A	19961112	200003	B

Priority Applications (No Type Date): US 96747058 A 19961112
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5983016	A		21	G06F-009/45	

Abstract (Basic): US 5983016 A
NOVELTY - A program is **generated** external to an **object** oriented system for execution by a computer. The generated program contains logic for implementing the behavior of objects in object oriented system (114). The program also contains a set of callback routines for retrieving information about static objects in object oriented system, and for performing updates to object oriented system.
DETAILED DESCRIPTION - The callback routine includes trace function that allows for the interactive display by graphical user interface of **object** oriented system. While **generating object** oriented system, an event for **object** is **defined** . The event defined consists of one or more transition. The transition generated are translated to an execution language for execution by computer. An INDEPENDENT CLAIM is also included for computer implemented **object** oriented **modeling** .
USE - For modeling object oriented system.
ADVANTAGE - As program with a set of callback routines is generated, the features such as run time functions, bindings or multiple inheritance is performed reliably.
DESCRIPTION OF DRAWING(S) - The figure shows block diagram of execution engine.
Object oriented system (114)
pp; 21 DwgNo 3/6
Title Terms: OBJECT; ORIENT; SYSTEM; METHOD
Derwent Class: T01
International Patent Class (Main): G06F-009/45
File Segment: EPI
Manual Codes (EPI/S-X): T01-F07; T01-J10C5; T01-S02

21/9/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012274582 **Image available**
WPI Acc No: 1999-080688/199907
Related WPI Acc No: 1992-284828; 1997-012250; 1997-526054
XRPX Acc No: N99-058095

Gray code transition controlling method for polymorphic network - involves determining bit position in gray code transition sequence that gets changed to produce next codeword

Patent Assignee: ESTES M D (ESTE-I)
Inventor: ESTES M D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5852740	A	19981222	US 91642508	A	19910116	199907	B
			US 94218333	A	19940328		
			US 97951057	A	19971015		

Priority Applications (No Type Date): US 94218333 A 19940328; US 91642508 A 19910116; US 97951057 A 19971015
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5852740	A		85	G06F-013/00	CIP of application US 91642508 Cont of application US 94218333 CIP of patent US 5301284 Cont of patent US 5680634

Abstract (Basic): US 5852740 A

The method involves allocating the context configuration control network. The data **representing** the **particular object** space configuration is input using **multiple dimension data** .

The specific dimension corresponding to particular step in gray code transition sequence is input. The bit position in gray code transition sequence that gets changed to produce next codeword is determined.

USE - For production management system in paper manufacturing plants.

ADVANTAGE - Facilitates control of dynamic and logical renaming elements of network. Enables effective configuration of various modules.

Dwg.37A/46

Title Terms: GRAY; CODE; TRANSITION; CONTROL; METHOD; POLYMORPHIC; NETWORK; DETERMINE; BIT; POSITION; GRAY; CODE; TRANSITION; SEQUENCE; CHANGE; PRODUCE; CODE
Derwent Class: T01; U13; U21
International Patent Class (Main): G06F-013/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-D02; T01-H07C5; U13-C04; U21-A05A1; U21-C01D; U21-C01E

21/9/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010205723 **Image available**
WPI Acc No: 1995-106977/199514
XRPX Acc No: N95-084595

Modelling and query appts. for database structures using natural language - has graphical user interface for specifying data base design and diagram device for producing diagram on display device

Patent Assignee: ASYMETRIX CORP (ASYM-N); MICROSOFT CORP (MICT)
Inventor: HARDING J A; MCCORMACK J I
Number of Countries: 057 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9506292	A1	19950302	WO 94US9658	A	19940824	199514	B
AU 9476753	A	19950321	AU 9476753	A	19940824	199526	
US 5495604	A	19960227	US 93112852	A	19930825	199614	
EP 715739	A1	19960612	EP 94927247	A	19940824	199628	
			WO 94US9658	A	19940824		
US 5574908	A	19961112	US 93112852	A	19930825	199651	
			US 95485210	A	19950606		
US 5590322	A	19961231	US 93112852	A	19930825	199707	
			US 95482726	A	19950606		
US 5592668	A	19970107	US 93112852	A	19930825	199708	
			US 95488384	A	19950606		
JP 9502039	W	19970225	WO 94US9658	A	19940824	199718	
			JP 95507764	A	19940824		
EP 715739	B1	20020213	EP 94927247	A	19940824	200212	
			WO 94US9658	A	19940824		
DE 69429866	E	20020321	DE 629866	A	19940824	200227	
			EP 94927247	A	19940824		
			WO 94US9658	A	19940824		

Priority Applications (No Type Date): US 93112852 A 19930825; US 95485210 A 19950606; US 95482726 A 19950606; US 95488384 A 19950606

Cited Patents: US 4829427; US 5088052; US 5175814; US 5197005; US 5247666; US 5257365; US 5301313

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9506292	A1	E	87	G06F-017/30	
Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE					
AU 9476753	A			G06F-017/30	Based on patent WO 9506292
US 5495604	A		36	G06F-017/30	
EP 715739	A1	E	87	G06F-017/30	Based on patent WO 9506292
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
US 5574908	A		37	G06F-017/30	Div ex application US 93112852 Div ex patent US 5495604
US 5590322	A		36	G06F-017/00	Cont of application US 93112852 Cont of patent US 5495604
US 5592668	A		35	G06F-017/30	Div ex application US 93112852 Div ex patent US 5495604
JP 9502039	W		65	G06F-017/30	Based on patent WO 9506292
EP 715739	B1	E		G06F-017/30	Based on patent WO 9506292
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
DE 69429866	E			G06F-017/30	Based on patent EP 715739 Based on patent WO 9506292

Abstract (Basic): WO 9506292 A

The appts. includes a general purpose programmable digital computer. A diagram device produces a diagram on the computer display. A cursor controller controls movement of a cursor over the diagram. A repository device further includes a regional database implemented on the computer. A text input element allows the input of text including data objects, facts about the data objects and constraints on the data objects.

The appts. further includes a user-selectable text validator and a user-selectable translator for translating the input text to the diagram. Finally a user-selectable compiler compiles the text only into the repository element.

ADVANTAGE - Allows user to specify and create information using natural language which will precisely **specify** system's **objects** , facts and constraints without ambiguity or excessive overhead.

Dwg.4/27

Abstract (Equivalent): US 5592668 A

Apparatus including a general purpose programmable digital

computer, said computer having central processing means, bus means, display means, data entry means, memory means, data storage means, and graphical user interface for describing in a natural language a query to a database, said apparatus further comprising:

diagram means for producing a diagram on said display means;

cursor control means for moving a cursor over said diagram;

repository means further comprising relational database means implemented on said computer;

fact tree formation means for forming a fact tree based on said query; and

fact tree description means for describing said fact tree in said natural language, said fact tree description means including

(a) first variable assignment means for assigning variables based on said fact tree, said variables comprising root, parent, child and node, wherein said root is the root of said fact tree, said parent is the parent of said root, said child is the child of the root and said node is the number of the child,

(b) parent test means for testing if a value of said parent is null,

(c) root text creation means, responsive to a determination by said parent test means that said value of said parent is null, for creating text for said root,

(d) node text creation means, responsive to a determination by said parent test means that a value of said parent is not null, for creating text for said node,

(e) print means for printing, on said display means, said text created by said root text creation means and said node text creation means,

(f) counter means for counting an iteration as an iteration value,

(g) node test means for determining if said iteration value is equal to a value of said node, andh) recursive means for recursively invoking said fact tree description means using depth-first search means.

Dwg.19/27

US 5590322 A

Apparatus for the modeling and query of an information system, the apparatus using natural-language like constructs and further comprising:

a programmable computer including memory;

a display device coupled to the computer;

a data entry device, further coupled to the computer;

a graphical user interface implemented on the computer;

a repository further implemented on the computer;

an edit window displayed on the display device for entering text therein, the edit window utilizing the textual form of a computer language having both textual and graphical forms for translating the natural language-like **constructs** into **object** -role **modeling** symbology;

conceptual schema diagram formation means for forming a conceptual schema diagram representing the information system on the display device, the conceptual schema diagram utilizing the graphical form of the computer language having both textual and graphical forms;

drag-and-drop means further implemented on the computer and in operative combination with the display device and the data entry device, for dragging the text from the edit window and for dropping the text item onto the conceptual schema diagram;

parsing means for parsing the text into at least one of object, fact and constraint;

list means, responsive to the parsing means, for **creating** an **object** list, a fact list and a constraint list in the repository;

a compiler, in operative combination with the parsing means and the list means, for compiling the text into at least an appropriate one of the object list, the fact list and the constraint list;

drawing means, responsive to the drag-and-drop means and the parsing means for drawing a graphic representation of the text on the conceptual schema diagram using the graphical form of the computer language;

database mapping means, for mapping the conceptual schema to a

database;

the edit window, conceptual schema diagram, drag-and-drop means, parsing means, list means, compiler, drawing means, and database mapping means forming in operative combination a drain-and-drop fact compiler for specifying the information system represented in the conceptual schema; and

query means for specifying a query to the information system.

Dwg.2/27

US 5574908 A

Apparatus for generating a query to an information system, said information system having been created using a drag-and-drop information system specification means utilizing a computer language having both textual and graphical forms for translating natural language-like **constructs** into **object** -role **modeling** symbology, said information system specification means further for entering text, utilizing the textual form of said computer language, onto a display device, for parsing said text into at least one of object, fact and constraint into a repository, for forming a conceptual schema representing said information system, and for mapping said conceptual schema to a database, said apparatus implemented on a programmable computer including memory, data entry means, said display means, a graphical user interface, and having said repository implemented thereon, said apparatus using said natural language-like constructs for specifying said query to said information system by providing means for displaying said conceptual schema utilizing said graphical form of said computer language, drag and drop cursor control means for moving a cursor over said conceptual schema diagram and for selecting a first **object** , and fact tree **formation** means for forming a fact tree from a first object stored in said repository and displayed on said conceptual schema diagram, said first **object** **forming** the root node of a fact tree, said apparatus further comprisingrelational query mapping means for mapping said query to said database and for returning said query in a language appropriate to said database, said query mapping means utilizing said root node defined by said first object, which first object is displayed using utilizing said graphical form of said computer language, and selected by said drag and drop cursor control means.

Dwg.7/27

Title Terms: MODEL; QUERY; APPARATUS; DATABASE; STRUCTURE; NATURAL; LANGUAGE; GRAPHICAL; USER; INTERFACE; SPECIFIED; DATA; BASE; DESIGN; DIAGRAM; DEVICE; PRODUCE; DIAGRAM; DISPLAY; DEVICE

Derwent Class: T01

International Patent Class (Main): G06F-017/00; G06F-017/30

International Patent Class (Additional): G06F-012/00; G06F-017/40

File Segment: EPI

Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4; T01-J12B; T01-J20B; T01-S

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File   2:INSPEC 1969-2003/Dec W2
         (c) 2003 Institution of Electrical Engineers
File   6:NTIS 1964-2004/Jan W1
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2004/Dec W4
         (c) 2004 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2003/Dec W4
         (c) 2003 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2003/Nov
         (c) 2003 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Jan W1
         (c) 2004 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2004/Dec W4
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Dec W3
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2003/Nov
         (c) 2003 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Jan 05
         (c) 2004 The Gale Group
File 144:Pascal 1973-2003/Dec W2
         (c) 2003 INIST/CNRS
File 202:Info. Sci. & Tech. Abs. 1966-2003/Nov 17
         (c) 2003 EBSCO Publishing
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 266:FEDRIP 2003/Nov
         Comp & dist by NTIS, Intl Copyright All Rights Res
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 483:Newspaper Abs Daily 1986-2004/Jan 06
         (c) 2004 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group

Set     Items   Description
S1      21697   OBJECT(1W)MODEL???? ?
S2       3018   OLAP OR ROLAP OR MOLAP OR (ONLINE OR LINE)()ANALYTIC?? ?()-
             PROCESS??? ?
S3      89699   MULTIDIMENSION?? ?
S4      31198   (MULTI OR MANY OR SEVERAL OR NUMEROUS OR PLURALIT? OR MULT-
             IPLE OR MULTITUD? OR MULTIPLICITY OR PLURIF?)(1W)DIMENSION?
S5       6485   OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ? OR R-
             DB? ? OR RDBM? ?
S6     832196   DBMS OR DATABASE? ? OR DATASET? ? OR DATABANK? OR DATAFILE?
              ? OR DB
S7          0   ADAPTIVE()INSTANTIAT?
S8     925306   OBJECT? ?
S9      40414   S8(3N)(INSTANTIAT? OR CREAT??? ? OR DECLAR??? ? OR REPRESE-
             NT??? ? OR CONSTRUCT? OR GENERAT? OR MAKE? ? OR MADE OR PROD -
             OR PRODUCE? ? OR PRODUCING)
S10     40883   S8(3N)(DEVELOP? OR BUILD??? ? OR BUILT OR ESTABLISH? OR OR-
             IGINAT? OR DERIV? OR FORM OR FORMS OR FORMED OR FORMING OR FO-
             RMATION OR MAKING)
S11     19249   S8(2N)(SPECIFIE? ? OR SPECIFIC OR SPECIFY? OR DESIGNAT? OR
             PARTICULAR OR STATED OR SELECTED OR DEFINED OR DEFIITE OR IND-
             IVIDUAL OR CERTAIN OR SELECTIVE)
S12       103   S8(2N)DEFINITE
S13      6288   S1:S5 AND S9:S10
S14      1301   S1:S5 AND S11:S12
S15       454   S13 AND S14
S16      3469   S3(1W)(DATA OR S6)
S17      1101   S4(1W)(DATA OR S6)
S18     34753   S1:S2 OR S16:S17 OR S5
S19      5763   S18 AND S9:S10
S20      1134   S18 AND S11:S12
S21       426   S20 AND S19
S22     13387   S2 OR S16:S17 OR S5
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S23         524   S22 AND S9:S10
S24         116   S22 AND S11:S12
S25          32   S24 AND S23
S26           1   S25/2002:2003
S27          31   S25 NOT S26
S28          16   RD (unique items)
S29     1629515   3D OR (THREE OR 3 OR THIRD)()(D OR DIMENSION?? ?) OR STERE-
                  OSCOP? OR HOLOGRAPH? OR TRIMENSION? OR TRIDIMENSION? OR TERNA-
                  RY OR CUBIC OR VOLUMETRIC
S30        1807   S29(1W)S6
S31          57   S30 AND S9:S10
S32          27   S30 AND S11:S12
S33           3   S32 AND S31
S34           0   S33/2002:2003
S35           2   S33 NOT S25
S36           2   RD (unique items)
?
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28/7/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6817241 INSPEC Abstract Number: C2001-02-6160S-022
Title: Object **-based** selective **materialization for efficient implementation of spatial data cubes**
Author(s): Stefanovic, N.; Jiawei Han; Koperski, K.
Author Affiliation: Seagate Software, Vancouver, BC, Canada
Journal: IEEE Transactions on Knowledge and Data Engineering vol.12, no.6 p.938-58
Publisher: IEEE,
Publication Date: Nov.-Dec. 2000 Country of Publication: USA
CODEN: ITKEEH ISSN: 1041-4347
SICI: 1041-4347(200011/12)12:6L.938:OBSM;1-0
Material Identity Number: N571-2001-001
U.S. Copyright Clearance Center Code: 1041-4347/2000/$10.00
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: With a huge amount of data stored in spatial databases and the introduction of spatial components to many relational or object-relational databases, it is important to study the methods for spatial data warehousing and **OLAP** of spatial data. In this paper, we study methods for spatial **OLAP** , by integrating nonspatial **OLAP** methods with spatial database implementation techniques. A spatial data warehouse model, which consists of both spatial and nonspatial dimensions and measures, is proposed. Methods for the computation of spatial data cubes and analytical processing on such spatial data cubes are studied, with several strategies being proposed, including approximation and selective materialization of the spatial objects resulting from spatial **OLAP** operations. The focus of our study is on a method for spatial cube **construction** , called **object** -based **selective** materialization, which is different from cuboid-based selective materialization (proposed in previous studies of nonspatial data cube construction). Rather than using a cuboid as an atomic structure during the selective materialization, we explore granularity on a much finer level: that of a single cell of a cuboid. Several algorithms are proposed for **object** -based **selective** materialization of spatial data cubes, and a performance study has demonstrated the effectiveness of these techniques. (25 Refs)
Subfile: C

28/7/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6338090 INSPEC Abstract Number: B1999-10-6135E-042, C1999-10-1250M-016
Title: A novel approach to nearest neighbour search in high-dimensional spaces for 3D object recognition
Author(s): Caparrelli, F.; Rockett, P.I.; Yates, R.
Author Affiliation: Sheffield Univ., UK
Conference Title: Seventh International Conference on Image Processing and Its Applications (Conf. Publ. No.465) Part vol.1 p.13-17 vol.1
Publisher: IEE, London, UK
Publication Date: 1999 Country of Publication: UK 2 vol. (xxxii+476) pp.
ISBN: 0 85296 717 9 Material Identity Number: XX-1999-01635
Conference Title: Proceedings of 7th International Congress on Image Processing and its Applications
Conference Date: 13-15 July 1999 Conference Location: Manchester, UK

Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: This paper presents a new technique for representing shape information of 3D objects, together with the realisation of a 3D object recognition system that uses exclusively view-based information for object pose retrieval. During training, the system acquires two-dimensional views of 3D **objects** and automatically **generates** a model database built upon a local shape description of the single object views. During recognition, a two-dimensional view of the scene is matched against the model views and the objects present in the scene are recognised and localised. In order to cope with the large amount of information which is originally extracted from the model views, an adaptive technique for **multi - dimensional data** reduction is employed. Such a technique tales into consideration **individual** and intrinsic **object** characteristics **making** the amount of computation both in learning and in recognition, considerably smaller. This is achieved by adopting a new approach to nearest neighbour search in high-dimensional spaces applicable to feature vectors whose distribution follows distinct low-dimensional paths with respect to the original space dimensionality. (14 Refs)
Subfile: B C

28/7/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

5327095 INSPEC Abstract Number: C9609-6160J-009
Title: A comparison of ORN to other declarative schemes for specifying relationship semantics
Author(s): Ehlmann, B.K.; Riccardi, G.A.
Author Affiliation: Dept. of Comput. Inf. Syst., Florida A&M Univ., Tallahassee, FL, USA
Journal: Information and Software Technology vol.38, no.7 p.455-65
Publisher: Elsevier,
Publication Date: July 1996 Country of Publication: UK
CODEN: ISOTE7 ISSN: 0950-5849
SICI: 0950-5849(199607)38:7L.455:CODS;1-O
Material Identity Number: K889-96010
U.S. Copyright Clearance Center Code: 0950-5849/96/$15.00
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T)
Abstract: Object relationship notation (ORN) allows relationship semantics to be **specified** to an **object** database management system (**ODBMS**) when relationships are **represented** as **object** -valued class attributes, both singly and multiply valued. Other declarative schemes have been proposed or developed to define semantics for such relationships when they are represented as foreign keys in a relational database or as relations in an extended object data model. We give an overview of ORN and compare it to these other schemes as well as to the declarative capabilities that currently exist for defining relationships in commercial **ODBMSs** . The purpose of our comparison is to permit the relative merits of ORN to be appreciated and to underscore the need for such a notation in **ODBMSs** . (22 Refs)
Subfile: C

28/7/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

5312794 INSPEC Abstract Number: C9608-6160J-007
Title: Requirements and comparison of view mechanisms for object-oriented databases
Author(s): Motschnig-Pitrik, R.
Author Affiliation: Dept. of Applied Comput. Sci. & Inf. Syst., Wien Univ., Austria

Journal: Information Systems vol.21, no.3 p.229-52
Publisher: Elsevier,
Publication Date: May 1996 Country of Publication: UK
CODEN: INSYD6 ISSN: 0306-4379
SICI: 0306-4379(199605)21:3L.229:RCVM;1-1
Material Identity Number: I275-96004
U.S. Copyright Clearance Center Code: 0306-4379/96/$15.00+0.00
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)
Abstract: Views in the relational data model have proved indispensable in order to provide logical data independence through external schemas that can be customized to meet the needs of **individual** users. Since **object** -oriented database systems (**OODBs**) are expected to provide at least the functionality of today's relational systems, view mechanisms for **OODBs** have recently received attention. Due to the higher expressive power of object-oriented data models when compared with the relational one, different interpretations of an object-oriented view concept coexist. The paper states the requirements and discusses the features of object-oriented view mechanisms, in order to review and systematically compare representative proposals from the literature. **Individual** issues concerning **object** -oriented views, such as view definition, typing, **object** -preservation versus **creation** , view updates, and positioning of view classes into a class/type hierarchy are addressed. The paper aims to provide insight into the state-of-the-art of object-oriented views, to discuss some trade-offs in supporting advanced features, to draw some general conclusions regarding object-oriented data models, and to indicate issues for further research. (46 Refs)
Subfile: C

28/7/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

4695169 INSPEC Abstract Number: C9408-6160J-002
Title: An efficient search method for the context queries in the IntelligentPad System
Author(s): Akaishi, M.; Tanaka, Y.
Author Affiliation: Dept. of Electr. Eng., Hokkaido Univ., Sapporo, Japan
Journal: Transactions of the Information Processing Society of Japan vol.35, no.2 p.232-42
Publication Date: Feb. 1994 Country of Publication: Japan
CODEN: JSGRD5 ISSN: 0387-5806
Language: Japanese Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: The IntelligentPad System provides its users with a toolkit for the construction of various interactive media objects including multimedia documents, desktop tools, and application systems. The wide coverage of this toolkit and the ease of **object construction** allow its user or the society of its users sharing its resources to rapidly increase the accumulation of composed media objects, which requires their database management. We first thought that these media objects could be efficiently managed by an object-oriented database (**OODB**) system, and found that this is not the case for two reasons. The current **OODBs** use class definitions as database schemes, while in the new system new media **objects** are mainly **defined** by combining existing object instances, and hence have no corresponding class definitions. Besides, most queries in the system partially specify composition structures of the target object instances. Such queries called context queries show seriously poor performance when processed by any current **OODB** system. We give an efficient search method for the processing of context queries in **OODBs** . This method will allow the development of a new type of **OODB** that can deal with a large amount of arbitrarily composed object instances. (16 Refs)
Subfile: C

28/7/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

4693090 INSPEC Abstract Number: B9408-6210C-002, C9408-6160D-001
Title: Methods for constructing a management information base (MIB) in transmission network operations
Author(s): Yoda, I.; Fujii, N.
Author Affiliation: Fac. of Eng., Shizuoka Univ., Hamamatsu, Japan
Journal: Electronics and Communications in Japan, Part 1 (Communications) vol.76, no.9 p.21-33
Publication Date: Sept. 1993 Country of Publication: USA
CODEN: ECJCED ISSN: 8756-6621
U.S. Copyright Clearance Center Code: 8756-6621/93/0009-0021
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T); Experimental (X)
Abstract: Methods of realizing a management information base (MIB) under a CMIS/CMIP environment using **RDBMs** for realizing a transmission network operations system using the OSI management techniques are presented. A method of constructing an MIB by an attribute unit table with respect to the restrictions of CMIP without a **specific object** class in the operations process is proposed. Corresponding to management information that has become complicated with the times, this method proposes a mechanism of global searching independent of management **object** definitions by **deriving** a general procedure required for attribute operations within an agent system to make the CMIS processing codes as independent management object definitions and storing the forementioned procedure in an MIB. In addition, this construction method was evaluated by using an MIB constructed experimentally and the realizability of the proposed method of construction of MIBs and the performance of the experimental MIB evaluated by the experiment are presented. This MIB construction method is applicable to high-level agent systems that are complicated and of large scale. (20 Refs)
Subfile: B C

28/7/7 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC

04169517 INSPEC Abstract Number: C9207-6160J-017
Title: Semantic-rich user-defined relationship as a main constructor **in** object **oriented database**
Author(s): Diaz, O.; Gray, P.M.D.
Author Affiliation: Fac. de Inf., Univ. del Pais Vasco, San Sebastian, Spain
Conference Title: Object-Oriented Databases: Analysis, Design and Construction (DS-4). Proceedings of the IFIP TC2/WG 2.6 Working Conference p.207-24
Editor(s): Meersman, R.A.; Kent, W.; Khosla, S.
Publisher: North-Holland, Amsterdam, Netherlands
Publication Date: 1991 Country of Publication: Netherlands xiii+511 pp.
ISBN: 0 444 88929 9
Conference Date: 2-6 July 1990 Conference Location: Windermere, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The authors discuss a model which allows one to see user-**defined** relationships as **objects** and thus to gather together all the information that otherwise would be spread throughout different objects and user programs. Moreover, specialization hierarchies of relationships can be defined with interesting consequences. Semantic data models and object oriented programming systems do not give a complete answer to how to represent the semantics of user-defined relationships for reasons which are discussed. Hence ideas from artificial intelligence are applied. By combining structural as well as behavioural aspects, object oriented databases (OOBD) provide the right framework for supporting these ideas. A description language for user-defined relationships is discussed and several examples shown of an early implementation in ADAM, which is an

OODB with a higher level object-oriented programming language based on PROLOG. (14 Refs)
Subfile: C

28/7/8 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

1278580 NTIS Accession Number: DE86014924
Distributed Data Base for Real Time Data Acquisition and Process Control
McGuigan, D. L. ; Carey, R. W.
Lawrence Livermore National Lab., CA.
Corp. Source Codes: 068147000; 9513035
Sponsor: Department of Energy, Washington, DC.
Report No.: UCRL-95083; CONF-8610128-1
8 Aug 86 17p
Languages: English Document Type: Conference proceeding
Journal Announcement: GRAI8706; NSA1100
Fall digital equipment computer users society symposium, San Francisco, CA, USA, 6 Oct 1986.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A02/MF A01
Country of Publication: United States
Contract No.: W-7405-ENG-48
The data base has a relational structure with the added capability of associating executable code with data access. This association of code to data access provides some of the flavor of an object oriented system, allowing the development of a hierarchy of **objects** that are **made** up of lower level **objects** already **defined** . This structure provides for a unified view of the system operation reducing development costs while enhancing system flexibility. The contents of the real time data base are described by an offline configuration data base. Management of the offline configuration data base contents is provided through an **RDB** (1) data base on a VMS host. The user interface to the configuration information is provided through the use of the FMS-11 Forms Management System. This provides a controllable interface that is easy for novice users to utilize. The system works on a network of MicroVAX II's running ELN and additional host systems running VMS. It is used to support a complex control system application currently in development. 2 refs., 1 fig. (ERA citation 11:055688)

28/7/9 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01658069 ORDER NO: AAD98-40512
ACTIVE OBJECT-ORIENTED DATABASES: EXTENSIONS AND APPLICATION TO PROCESS AUTOMATION AND CONTROL (WORKFLOW)
Author: CHAUDHRY, NAUMAN AHMED
Degree: PH.D.
Year: 1998
Corporate Source/Institution: THE UNIVERSITY OF MICHIGAN (0127)
Co-chairs: JAMES R. MOYNE; ELKE A. RUNDENSTEINER
Source: VOLUME 59/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3545. 158 PAGES

Research carried out for this dissertation examines important problems arising from the extension of object-oriented databases (**OODBs**) to provide active rule capability, solves these problems, and demonstrates the application of active database technology for semi-conductor process automation and control. Specifically, this dissertation makes three main contributions.

Though, inheritance and overriding are fundamental features of

object-oriented systems, current active **OODB** systems have overlooked the provision of these features. This dissertation **develops** a formal **object** model which **establishes** a clear relationship between the active and passive parts of the database schema, and extends support for inheritance, overriding and syntactic compatibility to active rules. This model provides a formal basis for extending active **OODB** systems to provide support for active rule inheritance and overriding.

Automated execution and control of a (manufacturing) process requires support for automated fault detection and automated modification of process settings. Leveraging off characteristics common to process specification schemas in many domains, extensions to active **OODBs** are proposed to facilitate specification and enactment of processes. These extensions, which provide a novel mechanism for the specification of modular, reusable and maintainable manufacturing processes, include: (1) higher-level **object** modeling **constructs** for **representing** process structure via the passive schema, and control knowledge by using active rules, (2) techniques for defining active rules that are maintainable and tractable, and (3) extending inheritance support for process definitions.

Using the proposed extensions a prototype controller, called the Active Controller, has been implemented for application to semiconductor manufacturing using the Ode active **OODB** system. The process is **specified** by an **object** -oriented data structure, with the multi-step control knowledge specified in terms of active rules that carry out control by modifying the process structure whenever the need for control is detected. The Active Controller provides multi-step control in an adaptable and domain-independent manner. Additionally, the development of the Active Controller has provided a vehicle for gaining much-needed experience in developing active database applications, and for applying and validating the extensions presented in this dissertation.

28/7/10 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01520430 ORDER NO: AAD96-38982
NAME MANAGEMENT IN CONVERGENT COMPUTING SYSTEMS: MODELS, MECHANISMS AND APPLICATIONS (OBJECT-ORIENTED)
Author: KAPLAN, ALAN
Degree: PH.D.
Year: 1996
Corporate Source/Institution: UNIVERSITY OF MASSACHUSETTS (0118)
Director: JACK C. WILEDEN
Source: VOLUME 57/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4516. 237 PAGES

Name management--how a computing system allows names to be **established** for **objects** , permits **objects** to be accessed using names, and controls the availability and meaning of names at any point in time--is a major challenge for developers and users of any complex software system. Experience indicates that name management is particularly problematic in convergent computing systems. These are systems that combine elements from several disparate computing domains into a single, synergistic whole; object-oriented databases, world-wide-web applications and image understanding environments are all examples of this increasingly important class of systems.

Despite its importance, historically name management has received relatively little attention from researchers in computer science. As a result, computing systems typically rely on ad hoc and primitive approaches to name management, making systems confusing to use and difficult to maintain.

The results of this dissertation include the development of novel modeling techniques and mechanisms with both theoretical and practical implications for name management in convergent computing systems. In particular, some broadly-applicable models are defined to help reason about existing approaches to name management, especially their context formation and control capabilities. Example applications of the models illustrate how they can contribute to improving our overall understanding of the use of

names, as well as some of the difficulties often encountered, in various approaches. Using the models as a basis, prototype mechanisms are then developed, implemented and evaluated for a representative instance of a convergent computing system. Specifically, a consistent and uniform name management mechanism is defined and demonstrated for both C++ and CLOS application programming interfaces to an object-oriented database (**OODB**) system. The resulting mechanisms represent a substantial improvement in the area of name management in this domain of convergent computing systems. Finally, based on these models and mechanisms, a new, seamless approach to achieving polylingual interoperability is defined and demonstrated. This approach permits applications to uniformly process data objects from an **OODB** , despite the fact that those **objects** were originally **defined** , **created** and persistently stored using the capabilities provided by several distinct programming languages.

28/7/11 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01308874 ORDER NO: AAD93-25989
AN OBJECT ORIENTED DATABASE MODEL FOR DEDUCTIVE QUERYING
Author: SMITH, LON ALBERT
Degree: PH.D.
Year: 1993
Corporate Source/Institution: TULANE UNIVERSITY (0235)
Chairman: BILL P. BUCKLES
Source: VOLUME 54/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2075. 63 PAGES

Object Oriented Databases (**OODBs**) are coming of age. This is, in part, due to the modeling capabilities inherent in the object oriented paradigm. Yet, the **OODBs** are said to fall short of the ideal solution for a next generation database for two reasons. **OODBs** are not designed to handle logical inferences and they lack the ability to incorporate correctness proofs. These shortcomings are the chief advantages of Deductive Databases (DDBs). DDBs, while lacking much of the flexibility of **OODBs** , are based upon logic programming research and have a sound basis in proof theory. Therefore, adding the capabilities of a DDB to an **OODB** without losing the ability to **represent** complex **objects** is a goal. The inability of **OODBs** to admit proofs of correctness is precipitated by the fact that there is no clear consensus of a proof theoretic definition of the data model. Therefore, a set-theoretic definition for an **OODB** model is presented. Then a first order language capable of handling complex **objects** is **defined** . This combination of model and language creates a database that is inherently object oriented, but contains the salient feature of a DDB. The combined model's deductive capabilities are subservient to the object oriented server but extend the power considerably.

28/7/12 (Item 4 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01183623 ORDER NO: AAD91-32521
A STRUCTURAL ENGINEERING SOFTWARE DEVELOPMENT ENVIRONMENT
Author: ZHANG, HONG
Degree: PH.D.
Year: 1991
Corporate Source/Institution: PURDUE UNIVERSITY (0183)
Major Professors: W. F. CHEN; D. W. WHITE
Source: VOLUME 52/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3199. 332 PAGES

An evolution of the traditional disciplines of structural engineering and computational mechanics driven by the rapid advances in computer technology is currently underway. Research and instruction in these areas

are becoming more software dependent and more software intensive. The success and pace of this evolution depends on the rapid and economic development of domain specific applications software.

The SESDE (A Structural Engineering Software Development Environment) is an attempt to provide a systematic support for the development of structural engineering software systems. SESDE is centered around the concept of software reuse, based on object-oriented programming technologies, and composed of reusable software components and domain-specific CASE tools facilitating reuse. The present work focuses on the reusable components, and attempts to build the basic SESDE framework and to establish a model of such an environment which may be useful to other engineering areas.

The reusable components are classified in four groups: (1) a graphical user interface development system (GUIDES); (2) an object-oriented database management system (**ODBMS**); (3) a generic object class library for engineering computing in general; (4) a structural engineering **specific object** class library. GUIDES is developed and has been used in research software development and instruction. GUIDES has features which have not been well addressed by existing commercial systems. A set of classes in the generic **object** class library is **developed** . These include classes for general data structures and utilities, for full matrices, and for sparse matrices. Techniques for engineering database management are reviewed. It is concluded that a commercial **ODBMS** should be integrated and adapted to support the features of the environment. Specific issues associated with the integration are given. Necessary follow-up work of the SESDE are outlined including both long-term development and short-term application of the SESDE components. The long-term tasks are to complete the SESDE system development, which includes the enhancement of the GUIDES, the integration of an **ODBMS** , the development and enhancement of the structural engineering specific and generic class libraries, and the development of CASE tools. The short-term tasks are focussed on the promotion of the use of existing reusable components.

28/7/13 (Item 1 from file: 95)

00795274 I94066307248
Titel japanisch
(Ein effizientes Suchverfahren fuer Kontextabfragen im IntellgentPad-System)
(An efficient search method for the context queries in the IntelligentPad System)
Akaishi, M; Tanaka, Y
Dept. of Electr. Eng., Hokkaido Univ., Sapporo, Japan
Transactions of the Information Processing Society of Japan, v35, n2, pp232-242, 1994
Document type: journal article Language: Japanese
Record type: Abstract
ISSN: 0387-5806

ABSTRACT:
The IntelligentPad System provides its users with a toolkit for the construction of various interactive media objects including multimedia documents, desktop tools, and application systems. The wide coverage of this toolkit and the ease of **object construction** allow its user or the society of its users sharing its resources to rapidly increase the accumulation of composed media objects, which requires their database management. We first thought that these media objects could be efficiently managed by an object-oriented database (**OODB**) system, and found that this is not the case for two reasons. The current **OODBs** use class definitions as database schemes, while in the new system new media **objects** are mainly **defined** by combining existing object instances, and hence have no corresponding class definitions. Besides, most queries in the system partially specify composition structures of the target object instances. Such queries called context queries show seriously poor performance when processed by any current **OODB** system. We give an efficient search method

for the processing of context queries in **OODBs** . This method will allow the development of a new type of **OODB** that can deal with a large amount of arbitrarily composed object instances.

28/7/14 (Item 1 from file: 202)
DIALOG(R)File 202:Info. Sci. & Tech. Abs.

2201541
Distributed data base for real time data acquisition and process control.
Book Title: Report No: DE86014924/HCW
Author(s): McGuigan, D; Carey, R
Corporate Source: Lawrence Livermore National Lab., Livermore, CA
(17 pages)
Publication Date: Aug 8, 1986
Language: English
Document Type: Book Chapter
Record Type: Abstract
Journal Announcement: 2200

The data base has a relational structure with the added capability of associating executable code with data access. This association of code to data access provides some of the flavor of an object oriented system, allowing the development of a hierarchy of **objects** that are **made** up of lower level **objects** already **defined** . This structure provides for a unified view of the system operation reducing development costs while enhancing system flexibility. The contents of the real time data base are described by an offline configuration data base. Management of the offline configuration data base contents is provided through an **RDB** data base on a VMS host. The user interface to the configuration information is provided through the use of the FMS-11 Forms Management System. This provides a controllable interface that is easy for novice users to utilize. The system works on a network of MicroVAX II's running ELN and additional host systems running VMS. It is used to support a complex control system application currently in development. 1 fig. (ERA citation 11:055688)

28/7/15 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00480655 97BY12-018
Oracle8: have it your way -- Will customization through software objects known as data cartridges give resellers a reason to use Oracle8?
Joch, Alan
BYTE , December 1, 1997 , v22 n12 p116K-116N, 3 Page(s)
ISSN: 0360-5280
Company Name: Oracle
URL: http://www.oracle.com
Product Name: Oracle8
Focuses on Oracle's technology, called data cartridges, which has been shipping with Oracle8. Reports that it is a very influential implementation of **RDBMS** extensions. States that data cartridge customization and development is a relatively straightforward process for resellers that are good at SQL or C/C++ programming. Notes that Oracle8 demand is highest among specialists in imaging, geospatial, and high-volume transaction processing applications. Explains that the fundamental task of a data cartridge is to store attribute data and methods for each complex data type. Describes the data cartridge creation process as consisting of: defining the task, defining data attributes and methods, defining the interface, **specifying object** types, **creating** method code, writing a test sample, and installation. Includes two diagrams and one photo. (jo)

28/7/16 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00262378 91IW12-351

Five DBMS vendors agree to create OODB **standard -- OMG to OK database standard**

Mace, Scott

InfoWorld , December 23, 1991 , v13 n51 p76, 1 Page(s)

ISSN: 0199-6649

Company Name: Object Database Management Group

Reports that the five leading **object** -oriented vendors have **formed** a new group called the Object Database Management Group (ODMG) which recently outlined object-oriented standards for approval by the Object Management Group (OMG). Members of the group include Objectivity, Object Design, Ontos, Servio, and Versant Object Technology. Explains that ODMG has **defined** a common **object** database perspective which was used to shape the efforts of the OMG's Object Model, and now the ODMG is considering an object-oriented query language and will define an object-oriented database interface with the OMG Object Request Broker and distributed data management. (jb)

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Set     Items   Description
S1      34645   OBJECT(1W)MODEL???? ?
S2      38365   OLAP OR ROLAP OR MOLAP OR (ONLINE OR LINE)()ANALYTIC?? ?()-
             PROCESS??? ?
S3      42627   MULTIDIMENSION?? ?
S4      38820   (MULTI OR MANY OR SEVERAL OR NUMEROUS OR PLURALIT? OR MULT-
             IPLE OR MULTITUD? OR MULTIPLICITY OR PLURIF?)(1W)DIMENSION?
S5      73819   OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ? OR R-
             DB? ? OR RDBM? ?
S6    2571309   DBMS OR DATABASE? ? OR DATASET? ? OR DATABANK? OR DATAFILE?
              ? OR DB
S7          0   ADAPTIVE()INSTANTIAT?
S8     956962   OBJECT? ?
S9      82830   S8(3N)(INSTANTIAT? OR CREAT??? ? OR DECLAR??? ? OR REPRESE-
             NT??? ? OR CONSTRUCT? OR GENERAT? OR MAKE? ? OR MADE OR PROD -
             OR PRODUCE? ? OR PRODUCING)
S10     92153   S8(3N)(DEVELOP? OR BUILD??? ? OR BUILT OR ESTABLISH? OR OR-
             IGINAT? OR DERIV? OR FORM OR FORMS OR FORMED OR FORMING OR FO-
             RMATION OR MAKING)
S11     26368   S8(2N)(SPECIFIE? ? OR SPECIFIC OR SPECIFY? OR DESIGNAT? OR
             PARTICULAR OR STATED OR SELECTED OR DEFINED OR DEFIITE OR IND-
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             IVIDUAL OR CERTAIN OR SELECTIVE)
S12       129   S8(2N)DEFINITE
S13     10491   S3:S4(1W)(DATA OR S6)
S14    953162   3D OR (THREE OR 3 OR THIRD)()(D OR DIMENSION?? ?) OR STERE-
              OSCOP? OR HOLOGRAPH? OR TRIMENSION? OR TRIDIMENSION? OR TERNA-
              RY OR CUBIC OR VOLUMETRIC
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S16    146800   S1:S2 OR S5 OR S13 OR S15
S17      9945   S16(S)S9:S10
S18       937   S16(S)S11:S12
S19       269   S18(S)S17
S20      4649   OBJECT(1W)MODELING
S21    119495   S20 OR S2 OR S5 OR S13 OR S15
S22      4112   S21(S)S9:S10
S23       369   S21(S)S11:S12
S24       108   S23(S)S22
S25         1   S24/2002:2003
S26       107   S24 NOT S25
S27        67   RD (unique items)
S28     44366   OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ?
S29     91726   S20 OR S2 OR S28 OR S13 OR S15
S30      3573   S29(S)S9:S10
S31       322   S29(S)S11:S12
S32        98   S31(S)S30
S33         0   S32/2001:2003
S34        60   RD S32 (unique items)
?t34/3,k/all

 34/3,K/1     (Item 1 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
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00538882
 Scoreboard
Internet Business Report
May, 1997            DOCUMENT TYPE: NEWSLETTER
PUBLISHER:  JUPITER COMMUNICATIONS
LANGUAGE: ENGLISH         WORD COUNT: 596         RECORD TYPE: FULLTEXT

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TEXT:
...standards-based. At the heart of its framework is EdgeCom, a class
library of DCOM  objects  that  represent  the basic components of a Web
application. Rather than requiring application developers to write HTML and
CGI, Edgeworx allows developers to define application structures and the
properties of  individual  objects . Using ActiveX controls, Antares is
cross-functional with Microsoft Office,  ODBC  data access, and other
Microsoft applications and third-party software vendors. For a single
development...


 34/3,K/2     (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1852903  Supplier Number: 01852903    (USE FORMAT 7 OR 9 FOR FULLTEXT)
Wells Fargo Bank Taps India For Software
(Sonata Software Ltd develops a full-fledged, custom-made report writer,
  called Repzen, for Wells Fargo Bank)
Newsbytes News Network, p N/A
June 11, 1997
DOCUMENT TYPE: Journal  ISSN: 0983-1592  (United States)
LANGUAGE: English  RECORD TYPE: Fulltext
WORD COUNT:  326

    (USE FORMAT 7 OR 9 FOR FULLTEXT)
```

TEXT:
...the package has been successfully implemented across 400 branches of the bank in the US. **Developed** on an **object** oriented platform, Repzen is aimed at extracting data from the database containing information about corporate...

...B. Ramaswamy, managing director, Sonata Software, "Repzen allows the user to design a report template **specifying** database **objects** , graphical objects, static text and page controls. Once designed, the template can be run to...

...applications. Some of the unique features supported by Repzen include connectivity to data sources through **ODBC** (Open Database Connectivity), drag-and drop report layout, full support for graphic shapes and graphic...

34/3,K/3 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01690142 03-41132
MES for the masses
Michel, Roberto
Manufacturing Systems v16n8 PP: 18 Aug 1998
ISSN: 0748-948X JRNL CODE: MFS
WORD COUNT: 575

...TEXT: presentation at Microsoft Corp.'s headquarters in Redmond, Wash. The package is dubbed a "visual **object modeling** " MES because it uses such object technology as ActiveX and the component object model (COM), and features visual modeling techniques to model plants by **creating objects** and defining **specific** interactions.

Using simple point-andclick and drag-and-drop methods, Tim Davis, a USDATA vice...

34/3,K/4 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01252025 99-01421
A comparison of ORN to other declarative schemes for specifying relationship semantics
Ehlmann, Byron K; Riccardi, Gregory A
Information & Software Technology v38n7 PP: 455-465 Jul 1996
ISSN: 0950-5849 JRNL CODE: DTP

ABSTRACT: Object relationship notation (ORN) allows relationship semantics to be **specified** to an **object** database management system (**ODBMS**) when relationships are **represented** as **object** -valued class attributes, both singly and multiply valued. Other declarative schemes have been proposed or ...

... as well as to the declarative capabilities that currently exist for defining relationships in commercial **ODBMSs** . The purpose of the comparison is to permit the relative merits of ORN to be appreciated and to underscore the need for such a notation in **ODBMSs** .

34/3,K/5 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01211450 98-60845
The nuts and bolts of ODBMS (Part 2)
Wetmore, Barry
Telephony v230n20 PP: 28-31 May 13, 1996

ISSN: 0040-2656 JRNL CODE: TPH
WORD COUNT: 2366

...TEXT: creating the need for a new technology for real-time data acquisition and billing systems.

ODBMSs are helping AMA become a reality by enabling realtime data filtering, scoping and discrimination in support of AMA data server, processing and management system functionality. The AMA data model is **specified** in **object** -oriented terms, **making** its implementation a perfect fit for an object database.

Operations support systems. Telcos are burdened...

34/3,K/6 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01164896 98-14291
Enterprise OLE gets under way
Ricciuti, Mike
InfoWorld v18n7 PP: 1, 12 Feb 12, 1996
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 1464

...TEXT: network," Joseph says.

* OLE DB is an ambitious successor to Microsoft's Open Database Connectivity (**ODBC**) data access standard that will let all data be **defined** as OLE **objects** . **ODBC** **makes** access from client applications to multiple back-end relational data sources possible via a sine API. OLE DB will extend the **ODBC** model and provide access to nonrelational data such as spreadsheet files, Word documents, or any other data described as an OLE object. By including **ODBC** as a subset of the API, OLE DB will also maintain access to traditional databases...

34/3,K/7 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00817332 94-66724
Cooperative hypermedia systems: A Dexter-based architecture
Gronbaek, Kaj; Hem, Jens A; Madsen, Ole L; Sloth, Lennert
Communications of the ACM v37n2 PP: 64-74 Feb 1994
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 7155

...TEXT: communicates with the editors and it is a client of the OODB server. The RP **creates** instances of the **objects** **defined** by the generic and specific classes implementing the Dexter run-time layer concepts, and it...storage layer concepts. The RPs are also responsible for distributing event notifications received from the **OODB** server to the editors. These facilities are described in further detail later in this article...is supported as described in the following paragraphs.

A create operation can be used to **make** an **object** (given by a reference) into a persistent root, that is, a persistent **object** with a **specified** name to be used when retrieving it from the **OODB** server with a get operation. The create operation tells the database to store the object...

... time the transaction is committed or checkpointed. Every object in the closure of the root **object** thereby becomes persistent. **Create** implies that the client gets a write lock on all the **created** **objects** .

A persistent root object and its transitive closure of objects are retrieved from the database...

34/3,K/8 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00816206 94-65598
A methodology for deriving an entity-relationship model based on a data flow diagram
Kuo, Feng-Yang
Journal of Systems & Software v24n2 PP: 139-154 Feb 1994
ISSN: 0164-1212 JRNL CODE: JSS

ABSTRACT: An **object** -oriented methodology for **deriving** an entity-relationship (ER) model from requirements specified in a data flow diagram (DFD) is...

...top down. It begins with an analysis of the objects described in the DFD to **produce** an **object** model. **Modeling objects** instead of **individual** data items reduces the number of data elements with which the analyst must be concerned...

34/3,K/9 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00748741 93-97962
Toward automated support for object-oriented modelling
Ayre, J; Glass, D; Hughes, J G; McChesney, I R
Microprocessing & Microprogramming v38n1-5 PP: 273-280 Sep 1993
ISSN: 0165-6074 JRNL CODE: EUJ

ABSTRACT: The lack of tool support for **object** -oriented **development** has contributed to the failure of object-orientation to reach its full potential for increased software development productivity. The first steps toward automated support for **object** -oriented **modeling** are described. The **object** model is **defined** . In addition to supporting all features of the extended-entity-relationship model, the object model...

34/3,K/10 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00721912 93-71133
Box-structured methods for systems development with objects
Hevner, Alan R; Mills, Harlan D
IBM Systems Journal v32n2 PP: 232-251 1993
ISSN: 0018-8670 JRNL CODE: ISY
WORD COUNT: 9922

...TEXT: such as inheritance and are collectively named "object-based" languages.(12)

A systematic process for **object** -oriented **development** should provide a seamless development environment that supports the complete systems development process. Recent research projects have **defined object** -oriented system **development** life-cycle processes,(13) including the **object modeling** technique from General Electric Co.(14) and the responsibility driven design from Tektronix, Inc.(15...

34/3,K/11 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00720317 93-69538

Putting object databases to work
Timo, Michael
UNIX Review v11n7 PP: 73-78 Jul 1993
ISSN: 0742-3136 JRNL CODE: UXR
WORD COUNT: 2104

...TEXT: password is matched by the database software to an encrypted password stored in the database **object** **representing** a user. This controls general access to the system. Beyond that, **individual** **objects** must have controlled access to allow data sharing.

Simple schemes work well for small systems...

34/3,K/12 **(Item 10 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00653577 93-02798
Case Products Evolve Toward Objects as Way to Tap Client/Server Market
Polilli, Steve
Software Magazine v12n16 PP: 22 Nov 1992
ISSN: 0897-8085 JRNL CODE: SMG
WORD COUNT: 735

...ABSTRACT: CASE) tools and repositories. Most CASE vendors plan to tap the client-server market by **building** in **object** -oriented (OO) technology as the underpinning of workgroup repositories. Suppliers consider a design repository with...

... for a new object-oriented system incorporating consultant and author James Martin's rapid application **development** methodology. Its **Object** **Modeling** Workbench (OMW) is expected to go into field-testing by the end of 1992. Hewlett...

... convinced that the relational model is dead in the repository area and will only adopt **certain** aspects of **object** orientation as they see fit. Client-server computing and CASE seem destined to dovetail, however...

34/3,K/13 **(Item 11 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00627942 92-42882
Illustration of Object-Oriented Databases for the Structure of a Bill of Materials
Chung, Yunkung; Fischer, Gary W.
Computers in Industry v19n3 PP: 257-270 Jun 1992
ISSN: 0166-3615 JRNL CODE: CII

ABSTRACT: The basic concepts of applying an object-oriented database (**OODB**) system, called ORION, to the management of a bill of materials (BOM) is addressed. Concepts such as object updating, object sharing, and **objects** composition are **particular** features supported by ORION. A way to set up a data model from OOBOM is...

... to the material requirements planning (MRP) system of the future. The structure of a composite **object** **made** up of **objects** is the major consideration of the OOBOM. The proposed OOBOM system is rudimentary and may be embodied by using the Itasca system, which is a commercial **OODB** system whose prototype is ORION, or by using the C++ language. Both viewpoints, ORION and...

34/3,K/14 **(Item 12 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00558713 91-33070
ODBMS Next Generation in Database Management
Taylor, David A.
Computer Technology Review v10n12 PP: 8, 16 Oct 1990
ISSN: 0278-9647 JRNL CODE: CTN

ABSTRACT: Object database management systems (**ODBMS**) are DBMSs built on the principles of object-oriented technology. Object databases offer the best...

... their disadvantages. Because objects can be composed of other objects, any complex structure can be **represented** in the database. **Object** databases do not sacrifice flexibility for their speed and sophistication, and any structure can be...

... the database. Object databases can also be smaller than relational databases because the connections between **objects** are **made** through **object** identifiers. **Object** databases do not require all the entries of a given type to follow a fixed **form** . User- **defined objects** free databases from the constraints of alphanumeric information. One final advantage of object databases is...

34/3,K/15 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire

1437829 CLM004
Cincom Partners With Promia to Deliver ObjectStudio Request Broker

DATE: March 15, 1999 08:05 EST WORD COUNT: 525

...maintain complex applications.

Based on the powerful Smalltalk language, ObjectStudio is unique in providing integrated **object modeling** (visually **defined objects**) and **object** mapping (visually linked **objects**), within a single **development** environment. These capabilities enable quick development and maintenance of applications, which allow your organization to...

34/3,K/16 (Item 2 from file: 813)
DIALOG(R)File 813:PR Newswire

1336175 NETU023
Object Design's ObjectStore Selected to Meet Dell EMEA's Next-Generation Web Content-Management Challenge

DATE: September 8, 1998 08:29 EDT WORD COUNT: 832

...announced that Dell Computer Corporation's EMEA (Europe, Middle East and Africa) Internet team has **selected Object** Design(R)'s ObjectStore(R) object database management system (**ODBMS**) as a strategic enabler for its next- **generation** Web capabilities. **Object** Design will also provide Dell with comprehensive consulting services to assist with technology transfer and...

34/3,K/17 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00171248 19990831CLTU013 (USE FORMAT 7 FOR FULLTEXT)
Cincom Acquires VisualWorks from ObjectShare
PR Newswire
Tuesday, August 31, 1999 13:55 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 811

...large organizations to design, assemble and maintain complex applications. ObjectStudio is unique in providing integrated **object modeling** (visually **defined objects**) and **object** mapping (visually linked **objects**) -- within a single **development** environment. These capabilities enable rapid and efficient development and maintenance of applications. This allows organizations...

34/3,K/18 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0672248 96-29282
Rational announces object modeling tool
Myers, Kara
Business Wire (San Francisco, CA, US) p1
PUBL DATE: 960212
WORD COUNT: 712
DATELINE: Santa Clara, CA, US, Pacific

TEXT:

...development of enterprisewide applications through controlled, iterative, incremental development and improve the productivity of software- **development** teams.

"Business **object modeling** is a way of organizing data and functionality based on real-world business objects such...

...Grady Booch, chief scientist at Rational. "By grouping together all the services required for a **particular** business **object** and implementing an architecture-driven approach, developers can manage the complexity of multitiered enterprisewide applications...

34/3,K/19 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

07957610 (USE FORMAT 7 OR 9 FOR FULLTEXT)
DECISIONWORKS: Dresdner Kleinwort Benson banks on DecisionWorks for Global Equities Management system
M2 PRESSWIRE
October 27, 1999
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 777

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of high performance with large volumes of data. "DecisionWorks Objects, through a suite of pre- **built OLAP objects** , enables powerful business intelligence solutions to be built quickly and effectively so the needs of...

34/3,K/20 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02829170 (USE FORMAT 7 OR 9 FOR FULLTEXT)
OBJECT DESIGN: ObjectStore selected to meet Dell EMEA's web

contentmanagement challenge
M2 PRESSWIRE
September 09, 1998
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 735

...Design's ObjectStore object database management system (ODBMS) as a strategic enabler for its next- **generation** Web capabilities. **Object** Design will also provide Dell with comprehensive consulting services to assist with technology transfer and...

34/3,K/21 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06441758 Supplier Number: 55009308 (USE FORMAT 7 FOR FULLTEXT)
Objects Ease Workflow.(Product Announcement)
Rath, Doug
InternetWeek, p1
June 28, 1999
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Newsletter; Trade
Word Count: 546

... of custom tags. For example, when you create an article, Tempest views it as a **particular** type of **object** , which has properties as well. Both the structure of data and the data itself are stored in an ObjectStore database and are tied together by the tags. You use **ODBC** queries to call any of these **objects** . Tempest also **makes** heavy use of server variables and structures to refer to the numerous site variables.
The...

34/3,K/22 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05397984 Supplier Number: 53372162 (USE FORMAT 7 FOR FULLTEXT)
Microsoft's IIS 3.0 Catches Up.(Software Review)(Evaluation)
Frey, Anthony
Network Computing, p40(1)
Feb 1, 1997
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 771

... environment between the client and server. These objects are almost identical to the set of **objects** **defined** by Netscape's LiveWire, and they include variables for state and session management, client cookies...

...successive Web page hit), access the file system, retrieve browser capabilities, access Open Database Connectivity (**ODBC**) data sources and manage page links. We had difficulty getting the file system **object** to **instantiate** at the time of this beta release. Together, the bundled components don't provide a...

34/3,K/23 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04924885 Supplier Number: 47239264 (USE FORMAT 7 FOR FULLTEXT)
Antares Alliance Group and OnNet Solutions announce agreement to deliver dynamic Internet and intranet applications.
Business Wire, p03251289

March 25, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 636

... applications. At the heart of the EdgeworX framework is EdgeCOM, a class library of DCOM **objects representing** the basic components of a Web application. The EdgeworX developer focuses on defining the application structure and the properties of the **individual objects** rather than on writing HTML and CGI. EdgeworX incorporates cross-functionality with Microsoft Office, **ODBC** data access and dozens of other applications from Microsoft and third party software vendors via...

34/3,K/24 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04890711 Supplier Number: 47193392 (USE FORMAT 7 FOR FULLTEXT)
Antares Alliance Group Selects Summit Software as Premier Support Agent for Microsoft VBA Licensing Agreement.
Business Wire, p3101138
March 10, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 827

... applications. At the heart of the EdgeworX framework is EdgeCOM, a class library of DCOM **objects representing** the basic components of a Web application. The EdgeworX developer focuses on defining the application structure and the properties of the **individual objects** rather than on writing HTML and CGI. EdgeworX incorporates cross-functionality with Microsoft Office, **ODBC** data access and dozens of other applications from Microsoft and third party software vendors via...

34/3,K/25 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04379373 Supplier Number: 46423148 (USE FORMAT 7 FOR FULLTEXT)
Microsoft Visual C++ now Competes with Delphi Client/Server Suite and PowerBuilder
News Release, pN/A
May 31, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1551

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Client/Server development environment. Visual SQL extends Visual C++ with visual designers, intuitive wizards, and **object** -oriented data access, **creating** a visual and easy-to-use Client/Server development environment, without leaving Microsoft Visual C...

...provides easy access to Visual SQL's Query Builder, SQL Wizard, SQL Editor, and the **ODBC** Connection Manager. Visually create SQL Queries Visual SQL includes a set of tools to easily...

...Explorer's visual environment allows Visual C++ developers to instantly access and manage all database **objects created** with Visual SQL for any Client/Server application as well as tables, views, and columns. Database objects such as queries, statements, pick lists, **ODBC** data sources are stored in a central Component Repository. Reusable Components The Component Repository brings unprecedented reusability of **defined** database **objects** such as queries, statements, pick lists, **ODBC** data sources and boosts programmers' productivity at all stages of Client/Server development.

Developers can...

...related application objects affected by the changes in the database. Database Independence Visual SQL generates **ODBC** compliant-code and offers Visual C++ developers the flexibility to connect their Client/Server applications to all databases that are **ODBC** -compliant. **ODBC** drivers offer robust support for the widest base of operating systems and databases available in the industry. Visual SQL's **ODBC** Database Connectivity eases the creation of database-independent applications by making the application code portable...

...databases including: Microsoft SQL Server, Oracle, Informix Access, the included Sybase SQL Anywhere, and other **ODBC** -compliant databases running under operating systems including Windows, Windows 95, Windows NT, and VMS. Furthermore, Visual SQL's **ODBC** Connection Manager enables a rapid configuration of the **ODBC** driver and easy selection of the data sources and connection to the database. Complete Client...

...Once the Client/Server application is completed, the developer can deploy the application to any **ODBC** -compliant database. Visual SQL generates precise, expert-level, fully-commented MFC C++ code and creates ...

...Database Support Visual SQL includes Sybase SQL Anywhere and supports all the databases that are **ODBC** -compliant. Today, most databases includes **ODBC** drivers. However, Visual SQL users can also take advantage of the **ODBC** drivers included in Visual C++ which can be redistributed royalty-free. These **ODBC** drivers provide support for a wide variety of databases. Crystal Report Writer Visual SQL users...

34/3,K/26 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04349677 Supplier Number: 46379604 (USE FORMAT 7 FOR FULLTEXT)
RATIONAL'S JAVA TOOLS SUPPORT DEVELOPMENT AND MAINTENANCE OF LARGE-SCALE JAVA APPLICATIONS
News Release, pN/A
May 13, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 878

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...announced the availability of its award-winning Rational Rose product for Java, which gives software **developers** capabilities for **object modeling** , controlled iterative **development** , and round-trip engineering that simplify the development process and help improve application quality. Also...

...distributed enterprisewide information systems that take advantage of the power of the Internet and company- **specific** intranets. " **Objects** have **made** major inroads into distributed corporate environments over the last several years," said Jon Hopkins, Rational...
...real size or sophistication." Rational Rose/Java Rational Rose is the industry's leading graphical **object modeling** product. The new Rational Rose/Java provides specific support for round-trip engineering. Roundtrip engineering...

...on languages such as C++ and Visual Basic. Rational Rose/Visual Basic, currently available, brings **object modeling** to Microsoft Visual Basic, also seen as a major language for Internet and intranet development...

34/3,K/27 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04199797 Supplier Number: 46141391 (USE FORMAT 7 FOR FULLTEXT)
Enterprise OLE gets under way: Network OLE is the key to Microsoft's component plan
InfoWorld, p001
Feb 12, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1787

... network," Joseph says.
* OLE DB is an ambitious successor to Microsoft's Open Database Connectivity (**ODBC**) data access standard that will let all data be **defined** as OLE **objects** . **ODBC** **makes** access from client applications to multiple back-end relational data sources possible via a single API. OLE DB will extend the **ODBC** model and provide access to nonrelational data such as spreadsheet files, Word documents, or any other data described as an OLE object. By including **ODBC** as a subset of the API, OLE DB will also maintain access to traditional databases...

34/3,K/28 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04198692 Supplier Number: 46139851 (USE FORMAT 7 FOR FULLTEXT)
RATIONAL ANNOUNCES OBJECT MODELING TOOL THAT SIMPLIFIES ENTERPRISE INFORMATION SYSTEMS DEVELOPMENT WITH MICROSOFT VISUAL BASIC 4.0
News Release, pN/A
Feb 12, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 712

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...announced Rational Rose/Visual Basic, a graphical software-development tool that brings the power of **object** **modeling** and controlled iterative development to Visual Basic developers. Rational Rose/Visual Basic enables teams of...

...can take full advantage of the object-oriented features of Visual Basic 4.0 to **build** **objects** that model the business. "Rational Rose/Visual Basic allows developers to implement an incremental, iterative...

...of Visual Basic marketing at Microsoft. "As a leading provider of tools and services supporting **object** **modeling** and iterative **development** , Rational offers unique capabilities for managing and visualizing complex business objects in Visual Basic 4...

...Stockholm, Sweden. "We at ADB Arkitektur have successfully been using Rational Rose/Visual Basic for **object** **modeling** in Visual Basic 4.0. It allows us to visualize our application architecture and to...

...our rapidly changing customer requirements." With Rational Rose/Visual Basic, development teams can focus on **building** business **objects** . The tool automatically **generates** class modules and database schemas from the business objects. Complex business rules can be designed in Rational Rose and **generated** as remote automation **objects** in Visual Basic. As a result, organizations can manage the development of enterprisewide applications through controlled, iterative, incremental development and improve the productivity of software- **development** teams. "Business **object** **modeling** is a way of organizing data and functionality based on real-world business objects such...

...Grady Booch, chief scientist at Rational. "By grouping together all the services required for a **particular** business **object** and implementing an

architecture-driven approach, developers can manage the complexity of multitiered enterprisewide applications." Rational Rose/Visual Basic supports the Booch '93 method and the **Object Modeling** Technique of object-oriented analysis and design. It also supports Jacobsoh's interaction diagrams for...

34/3,K/29 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04174480 Supplier Number: 46098213 (USE FORMAT 7 FOR FULLTEXT)
INTELLICORP ANNOUNCES MODELWORKS FAMILY, STRATEGY TO CONCENTRATE ON MODELING
News Release, pN/A
Jan 29, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 860

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...are expected to be generally available in late March. The LiveModel 2.0 system, an **object** -oriented **modeling** tool, is a significant new release, including new multi-developer support features, many new diagrammer...

...the new LiveModel*C++ to model their domain and objects with the LiveModel design tool, **creating objects** graphically and **specifying** the relationships between them, then generate C++ code and header files directly from the model...

...developers can now model their domain and objects with the LiveModel*OSP graphical modeling tool, **creating objects** graphically and **specifying** relationships among them. Having a visual design tool that helps the **developer** define the **objects** and relationships eases the process and minimizes the changes that must be **made** to an **object** model. ModelBridge solutions are priced at $6,995 for the class libraries; consulting and support...

34/3,K/30 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03893763 Supplier Number: 45606436 (USE FORMAT 7 FOR FULLTEXT)
SAS Institute Announces OLAP++ Solution
News Release, pN/A
June 14, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 783

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
SAS Institute Announces **OLAP** ++ Solution CARY, NC (June 14, 1995) Providing a powerful solution for multidimensional analysis and reporting, SAS Institute today announces the availability of its **OLAP** ++ solution. The **OLAP** ++ solution is a software/service offering that combines professional installation and customization services with advanced **object** libraries for fast **development** of customized **OLAP** (on- **line analytical processing**) applications. Currently available for Windows, Windows NT, OS/2 and UNIX clients and supporting Windows NT, OS/2, and UNIX servers as well as MVS, CMS and OpenVMS, the **OLAP** ++ solution enables users to draw the data from any source and to summarize it on any platform in a distributed environment. SAS Institute's **OLAP** ++ solution supports an object-based approach to multidimensional analysis that leverages an organization' s existing investment in relational technology -- eliminating the need for expensive and proprietary **multidimensional data** base

management systems. By eliminating the need for these specialized data structures, the **OLAP** ++ solution can reduce the cost and complexity of data warehousing projects requiring multidimensional analysis of...

...business analysis tools, we will continue to offer customers a full range of technologies, including **OLAP** , that enable development and easy implementation of strategic decision support systems," said Barrett Joyner, SAS Institute' s vice president of North American sales and marketing. " **OLAP** ++ is an extension of our existing **OLAP** offering and we are excited to make it even easier for our business users to...

...manner, without a need for contacting IS departments to create new formulas or recoding." The **OLAP** ++ solution, empowering many levels of users with analytical functionality, will provide employees of CoreStates Financial...

...with one application. I definitely see significant uses for this application in our company." The **OLAP** ++ solution uses the distributed data access and processing facilities of the SASr System, an integrated... ...and PC file formats. Available on more than 40 platforms and with interoperability capabilities via **ODBC** , OLE 2.0 and DDE, **OLAP** ++ class libraries can obtain and analyze data from various sources without a need for a separate data base for **OLAP** . As a result, the models are dynamic and automatically pass the most recent data to...

...user for analysis enabling mission- critical decisions to be made on time-sensitive data. "The **OLAP** ++ class library extends our customers reach across their enterprise to include all relevant data, integrated...

...Institute' s program manager for business intelligence.' 'Our Professional Services staff can quickly customize any **OLAP** processing with these tools, enabling the benefits of multidimensional analysis without the necessary cost of...

...to make use of SAS business intelligence facilities in a distributed, enterprise-wide environment." The **OLAP** ++ solution itself was **developed** using the advanced **object** - oriented techniques of SAS/EISr software -- a component of the SAS System for building and...

...and SAS/AFr software -- a SAS System component for applications development. As a result, the **OLAP** ++ solution permits code-free application building. Both the **multidimensional** **data** engines and the EIS **objects** are **defined** in a menu-driven, point- and- click environment. The **OLAP** ++ solution is available through the Institute 's Professional Services Division, comprised of teams charged with helping SAS customers maximize the return on their investment in technology. Pricing for the **OLAP** ++ solution starts at $30,000. The SAS System, the world's leading information delivery software...

34/3,K/31 **(Item 11 from file: 16)**

03514381 Supplier Number: 44921404 (USE FORMAT 7 FOR FULLTEXT)
DATABASE TOOLS: New Software To Help Informix Users
Open Systems Today, p43
August 15, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 422

... modeling methodology and then generating C++ code to implement the models. The product, Westmount OMT (**Object** **Modeling** Tool), lets **developers** create a set of classes that correspond to business objects, and then refine those **objects** into application- **specific** **objects** , said Westmount technical director Curtis Davis. Utilities included with the product convert the objects into...

34/3,K/32 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01975106 Supplier Number: 42528153 (USE FORMAT 7 FOR FULLTEXT)
Object-oriented-programming tools debut
Electronic Engineering Times, p122
Nov 18, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 732

... Versant Object Technology announced Object Modeler, an interactive graphical data-modeling tool for designing and **creating** C + + **object** -oriented applications. Object Modeler is based on the **object** - **modeling** technique and notation--developed at GE Corporate Research and Development--that allows designers to **specify** class hierarchies.
Object Modeler is in beta testing on Sun 4 platforms. The actual release date was not...

34/3,K/33 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

05004367 SUPPLIER NUMBER: 19815427 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Virtual OLAP: getting real. (business analysts can link data from different sources) (Technology Information)
Pendse, Nigel
Datamation, v43, n9, p115(4)
Sep, 1997
ISSN: 0011-6963 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2657 LINE COUNT: 00213

ABSTRACT: **OLAP** is a very popular technology, but vendors are just beginning to understand how complex **OLAP** user requirements are. Few vendors market **OLAP** products that incorporate the complete range of technology choices. The multidimensional model is the most...

...can be challenging. One solution is to use a multicube approach where a variety of **individual objects make** up a **multidimensional database** . It takes more skill to utilize a multicube product, but such products reduce the problem of sparsity, and the database explosion problem is alleviated. Some firms are now offering compound **OLAP** products that implement a full virtual cube concept.

34/3,K/34 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04612964 SUPPLIER NUMBER: 18791188 (USE FORMAT 7 OR 9 FOR FULL TEXT)
V*Realm Builder. (Integrated Data Systems Inc VRML authoring tool)(one of six evaluations of Virtual Reality Modeling Language builders and browsers in "The Web Goes 3-D") (Software Review)(Evaluation)
Schweber, Linda Von; Schweber, Erick Von
PC Magazine, v15, n19, p252(2)
Nov 5, 1996
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 671 LINE COUNT: 00055

...ABSTRACT: scene composition tool and focuses on graph construction and file optimization. It does not have **built** -in **object modeling** , but users can import objects from another program. The Position Ball Manipulator is used to size or position an object in a VRML world and can

constrain movement of the **selected object** to any axis. V-Realm is the best product tested at producing small, tight VRML...

34/3,K/35 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04445704 SUPPLIER NUMBER: 18064100 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Drawing a bead on network's structure. (Visio Shapes for Network Equipment) (PC Week Netweek) (Software Review) (Evaluation)
Sweet, Lisa L.
PC Week, v13, n9, pN19(1)
March 4, 1996
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 671 LINE COUNT: 00056

...ABSTRACT: firm's popular Visio and Visio Technical drawing packages that adds over 500 SmartShape diagramming **objects representing specific** equipment from 15 networking vendors. The objects are well-designed and easy to use, fitting...

...Visio 4.0 supports multi-level diagrams with a drill-down feature and supports the **ODBC** standard for database links. It also supports OLE for connecting data to reports or databases...

34/3,K/36 (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03961188 SUPPLIER NUMBER: 14426698 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Approach gains added muscle. (Lotus Development Corp.'s database) (Software Review) (Lab Notes) (Evaluation)
Sullivan, Eamonn; Gallagher, Bob
PC Week, v10, n39, p109(2)
Oct 4, 1993
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 346 LINE COUNT: 00027

...ABSTRACT: needs little programming to create standard business applications. Users can point to objects on an **object - specific** menu to view the **objects** ' attributes. Smarticons **make** the browse-mode and data-entry screens more flexible than in earlier versions. The SmartIcon...

...building is easy, although there are no improvements over previous versions. The Open Database Connectivity (**ODBC**) PowerKey driver provides access to drivers compliant with **ODBC** .

34/3,K/37 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09861925 SUPPLIER NUMBER: 19971684 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Object-oriented databases. (Software Review) (Evaluation)
Zieno, Todd
Computer Dealer News, v13, n19, p54(2)
Sep 22, 1997
DOCUMENT TYPE: Evaluation ISSN: 1184-2369 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 2588 LINE COUNT: 00214

... complex, particularly in a language such as C++.
There are basically two approaches used to **creating objects** in the **ODBMS** . Versant and 02 use a model in which each **object defined** is a

subclass of a generic "base class" and has a unique ID. This takes advantage of the OOP properties of inheritance, giving each newly **created** **object** a **certain** set of basic properties and methods. On the other hand, it means that each **object** **created** in either of these two products has an overhead of all the inherited attributes, usually...

34/3,K/38 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08458565 SUPPLIER NUMBER: 17984077 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Enterprise OLE gets under way. (Windows NT 4.0 stirs OLE) (includes related article on enterprise OLE interfaces) (Technology Information)
Ricciuti, Mike
InfoWorld, v18, n7, p1(2)
Feb 12, 1996
ISSN: 0199-6649 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1882 LINE COUNT: 00158

... network," Joseph says.
* OLE DB is an ambitious successor to Microsoft's Open Database Connectivity (**ODBC**) data access standard that will let all data be **defined** as OLE **objects** . **ODBC** **makes** access from client applications to multiple back-end relational data sources possible via a single API. OLE DB will extend the **ODBC** model and provide access to nonrelational data such as spreadsheet files, Word documents, or any other data described as an OLE object. By including **ODBC** as a subset of the API, OLE DB will also maintain access to traditional databases...

34/3,K/39 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08156355 SUPPLIER NUMBER: 17474069 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Representing group technology classification and coding techniques with object oriented modeling principles.
Billo, Richard E.; Bidanda, Bopaya
IIE Transactions, v27, n4, p542(13)
August, 1995
ISSN: 0740-817X LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7455 LINE COUNT: 00615

... a case study to validate the concept will be presented.
3. Object-oriented modeling concepts
Object -oriented **modeling** provides a mechanism for representing information by using models organized around real-world objects and concepts. The basic **construct** is the **object** , which combines both the data structure and its behavior into a single entity. An **object** may be **defined** as a concept, abstraction, or thing with crisp boundaries and meaning for the problem at hand (Rumbaugh et al., 1991). For GT, individual parts or designs would typically **represent** the **objects** of the system.
An object class describes a group of objects with similar properties, common...

34/3,K/40 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07919014 SUPPLIER NUMBER: 17027368 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Combining enhanced object classes with professional consulting; SAS Institute Announces OLAP++ Solution.
Business Wire, p6141172
June 14, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 873 LINE COUNT: 00078

... SAS business intelligence facilities in a distributed, enterprise-wide environment."
The OLAP++ solution itself was **developed** using the advanced **object** -oriented techniques of SAS/EIS(reg) software -- a component of the SAS System for building...

...SAS/AF(reg) software -- a SAS System component for applications development. As a result, the **OLAP** ++ solution permits code-free application building. Both the **multidimensional** **data** engines and the EIS **objects** are **defined** in a menu-driven, point-and-click environment.
The OLAP++ solution is available through the...

34/3,K/41 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07299066 SUPPLIER NUMBER: 15546603 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Time for a data diet? (promoting object technology solutions to streamlining corporate databases) (Enterprise Computing/Management)
Spiegel, Leo
InfoWorld, v16, n26, p98(1)
June 27, 1994
ISSN: 0199-6649 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 547 LINE COUNT: 00046

...ABSTRACT: departments. Problems of data inconsistency can also be resolved by developing reusable data structures, or **objects** , which **represent** data fields shared throughout the corporation. These **objects** are **defined** in **object** programming tools such as Borland International's C++ compiler or Novell's AppWare. Objects can be linked to other applications with application- integration technologies, including OLE, Open Database Connectivity (**ODBC**) or Messaging Application Program Interface (MAPI). The reusable objects and their associated code will make ...

34/3,K/42 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07008506 SUPPLIER NUMBER: 15056121
Closing the gap to save your business. (business re-engineering and information technology) (Column)
Seybold, Patricia B.
Computerworld, v28, n8, p35(1)
Feb 21, 1994
DOCUMENT TYPE: Column ISSN: 0010-4841 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: that functions well to create an application from prototype to code. After business logic is **defined** in **object** models, rapid application **development** should take place to develop a client/server application that is then tested through the dynamic business model that was initially **created** with **object** **modeling** techniques.

34/3,K/43 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05444313 SUPPLIER NUMBER: 11209613 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Frameworks: debunking the myths. (computer-aided engineering basics)
Schulz, Steven E.
Electronic Design, v39, n16, p71(6)
August 22, 1991
ISSN: 0013-4872 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3472 LINE COUNT: 00279

... property occurs almost instantaneously, which is much faster than rebuilding an entire RDB.

In addition, **OODBs** can improve interactive speed by sharing in-memory structures while manipulating data between applications. Persistent...structure. This eliminates massive reformatting of data during disk reads or writes. Tools using an **OODB** may not even be aware of the existence of a disk other than **declaring certain objects** as "persistent." Most problems with **OODBs** arise from a lack of programming experience (mostly in C++) or from performance problems stemming...

34/3,K/44 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02207520 SUPPLIER NUMBER: 20972859 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Weighing tradeoffs in database design.(xCase Professional 4) (Database Advisor) (Software Review)(Evaluation)
Georgopulos, Drew
e-Business Advisor, v16, n8, p26(4)
August, 1998
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext ; Abstract
WORD COUNT: 3269 LINE COUNT: 00256

... thing, xCase can do synchronization in two modes: immediate or deferred. Immediate synchronization establishes an **ODBC** connection to the database, xCase checks for the existence of **objects** before **generating** them. Alternately, xCase can generate scripts for all database objects, or for just the database **objects** you **specify** , with or without the existence checks.

Deferred mode simply creates the scripts without opening and...

34/3,K/45 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02192435 SUPPLIER NUMBER: 20049360 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Extending relational DBMSs. (includes related "Sample of DataBlades, Extenders, and Cartridges" chart) (Company Business and Marketing)
Rennhackkamp, Martin
DBMS, v10, n13, p45(7)
Dec, 1997
ISSN: 1041-5173 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4563 LINE COUNT: 00368

... operators, aggregates, and index types that can be integrated with Oracle8 via the extensibility interfaces.

Objects are **defined** to **represent** new datatypes. A simple **object** can be **built** from existing datatypes, and complex **objects** can be built using **object modeling** techniques. Collections of **objects** can be **represented** in array structures or nested tables. An object type can be either a column type...

34/3,K/46 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01997474 SUPPLIER NUMBER: 18740673 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Access data with InfoAssistant. (Asymetrix Corp's database access software) (Software Review)(Evaluation)
Symington, Dave
Data Based Advisor, v14, n11, p26(3)
Nov, 1996

DOCUMENT TYPE: Evaluation ISSN: 0740-5200 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1351 LINE COUNT: 00107

...ABSTRACT: data. Queries and views can be defined once the factbase has been created. Queries are **built** by dragging **objects** and facts from the Properties window into the Fact Browser window, and the query is...

...in the Query window as objects are added to the Fact Browser window. Crosstabs are **created** by **specifying** the **objects** **forming** the rows and columns and the values that are to be summarized by counting, totaling ...

34/3,K/47 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01870749 SUPPLIER NUMBER: 17600044 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Object modeling can help you develop. (Logic Works Inc's OOwin/CRC object modeling software) (Software Review) (Evaluation)
Fish, Dave
Data Based Advisor, v13, n11, p20(2)
Dec, 1995
DOCUMENT TYPE: Evaluation ISSN: 0740-5200 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 993 LINE COUNT: 00079

ABSTRACT: Logic Works Inc's $695 OOwin/CRC **object** **modeling** software is used to develop responsibility-driven models that define how objects behave and interact. Classes of **objects** can be **defined** using the Class, Responsibility, and Collaboration Card (CRC Card) technique that lets users define a...

...and subclasses can be identified for a class on the CRC Card. OOwin can help **developers** learn **object** -oriented analysis and design concepts by facilitating the organization and modeling of objects, but it...

34/3,K/48 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01793457 SUPPLIER NUMBER: 16978709 (USE FORMAT 7 OR 9 FOR FULL TEXT)
VB strategies '95: coming to grips with the component-based development paradigm. (Microsoft's Visual Basic) (Desktop DBMS) (Column) (Tutorial)
Spitzer, Tom
DBMS, v8, n7, p97(3)
June, 1995
DOCUMENT TYPE: Column Tutorial ISSN: 1041-5173 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2770 LINE COUNT: 00222

... PC databases and ODBC data sources. The data control is a VCR-style control that **creates** a Recordset **object** from specifications that you provide in its property sheet. VB lets you bind controls on a **form** directly to database **objects** **defined** with the data control or with programmatically **defined** data-access **objects** . These **form** -based controls include the check box control, image control, label control, picture box control, test...

34/3,K/49 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01638166 SUPPLIER NUMBER: 15024425
A methodology for deriving an entity-relationship model based on a data

flow diagram. (Technical)
Feng-Yang Kuo
Journal of Systems and Software, v24, n2, p139(16)
Feb, 1994
DOCUMENT TYPE: Technical ISSN: 0164-1212 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

ABSTRACT: This article describes an **object** -oriented methodology for **deriving** an entity-relationship (ER) model from requirements specified in a data flow diagram (DFD). The...

...top down. It begins with an analysis of the objects described in the DFD to **produce** an **object** model. **Modeling objects** instead of **individual** data items reduces the number of data elements with which the analyst must be concerned...

34/3,K/50 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01539359 SUPPLIER NUMBER: 12631842 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Object databases at work: What are object database management systems - and what are they good for? (includes a related article on queries in object database management systems) (Cover Story)
English, Larry P.
DBMS, v5, n11, p44(7)
Oct, 1992
DOCUMENT TYPE: Cover Story ISSN: 1041-5173 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4971 LINE COUNT: 00406

... database schema does not contain a long class hierarchy, but defines all network data in **object** form. With **object** technology, **defined** data is easier to change because the database schema is the same schema bound to...

34/3,K/51 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01526868 SUPPLIER NUMBER: 12385350 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Persistent programming prose with POET. (BKS Software's POET object-oriented data base management system)(Laine Stump's C++ Diary) (Software Review) (Evaluation)
Stump, Laine
EXE, v7, n2, p65(4)
July, 1992
DOCUMENT TYPE: Evaluation ISSN: 0268-6872 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2798 LINE COUNT: 00213

... type to see which kind of record this is.
OODBS Solutions
An Object Oriented Database (**OODBS**), addresses all of the above problems, and many more. In simple terms, and **OODBS** allows the programmer to **make certain objects** 'persistent' (ie they outlive the life of the program's run-time) and store them...

34/3,K/52 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01474606 SUPPLIER NUMBER: 12755944
Infini-D. (Specular International's graphics software for Macintosh) (Evaluation)

Milburn, Ken
Publish, v7, n11, p90(1)
Nov, 1992
DOCUMENT TYPE: Evaluation ISSN: 0897-6007 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: who need to conceptualize or illustrate. Hierarchical linking allows users to keep the shapes that **make** up a **particular object** together during movement. Infini-D's animation is time-based rather than frame-based and thus allows control over the actions of each **object** . **Modeling** on Infini-D is easy, but spatial visualization and placement are not as simple as...

34/3,K/53 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01447093 SUPPLIER NUMBER: 11146433 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SGML primer: what every software company should know about SGML. (Text tools: beyond search and retrieval) (includes related articles on the value of text objects) (Standard Generalized Markup Language)
RELease 1.0, v91, 7, p7(7)
July 31, 1991
ISSN: 1047-935X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3333 LINE COUNT: 00251

TEXT:
...also use a relational database or SFQL (see Release 1.0, 4-91), but an **OODB** provides a better match of content and structure. On the other hand, a relational database...

...that may be queried by scripts in text objects, such as prices from a catalogue. **OODBs** and text These text elements are passive objects, which can be manipulated by any application...

...defined data elements (passive objects or scripts) by a procedural program. or they can be **instantiated** as true **objects** by a full-fledged object-oriented system, which provides active methods for them to implement ...as in SmarText) or more clever algorithms (IZE and Verity Topic). For storage in an **OODB** , for example, you might want tags that say this is a paragraph about a widget...

...are defined by their values - records with fields matching certain values, say - textual data and **objects** are frequently **defined** by where they (2) Note the formatting, which XyWrite represents as "<<ip 3,5>>." It ...

...but almost anything to do with management of information. The truth is, once text is **defined** as **objects** , you can do anything with it that you can express explicitly. As we noted in our issue on scripting (5-91), **defined objects** let you benefit from the powers of scripting (or programming). SGML as a standard SGML...

34/3,K/54 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04470035 Supplier Number: 56957348 (USE FORMAT 7 FOR FULLTEXT)
DECISIONWORKS: Dresdner Kleinwort Benson banks on DeDecisionWorks for Global Equities Management system.
M2 Presswire, pNA
Oct 27, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 803

... specification presented us with the perfect opportunity to demonstrate the wide ranging features of our **Objects** technology.

"Dresdner **specified** the system should be: web-based, database independent, flexible and configurable, three ...of high performance with large volumes of data. "DecisionWorks Objects, through a suite of pre-**built** **OLAP** **objects** , enables powerful business intelligence solutions to be built quickly and effectively so the needs of...

34/3,K/55 **(Item 1 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext

01195141 CMP ACCESSION NUMBER: INW19990628S0003
Objects Ease Workflow
Doug Rath
INTERNETWEEK, 1999, n 771, PG1
PUBLICATION DATE: 990628
JOURNAL CODE: INW LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: News & Analysis
WORD COUNT: 547

... of custom tags. For example, when you create an article, Tempest views it as a **particular** type of **object** , which has properties as well. Both the structure of data and the data itself are stored in an ObjectStore database and are tied together by the tags. You use **ODBC** queries to call any of these **objects** . Tempest also **makes** heavy use of server variables and structures to refer to the numerous site variables.

The...

34/3,K/56 **(Item 2 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext

01118323 CMP ACCESSION NUMBER: NWC19970201S0021
Microsoft's IIS 3.0 Catches Up
Anthony Frey
NETWORK COMPUTING, 1997, n 802, PG40
PUBLICATION DATE: 970201
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Sneak Previews
WORD COUNT: 765

... environment between the client and server. These objects are almost identical to the set of **objects** **defined** by Netscape's LiveWire, and they include variables for state and session management, client cookies...

...successive Web page hit), access the file system, retrieve browser capabilities, access Open Database Connectivity (**ODBC**) data sources and manage page links. We had difficulty getting the file system **object** to **instantiate** at the time of this beta release. Together, the bundled components don't provide a...

34/3,K/57 **(Item 3 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext

01022139 CMP ACCESSION NUMBER: WIN19940601S1870
InfoModeler 1.0-New Model For Database Design
James E. Powell
WINDOWS MAGAZINE, 1994, n 506 , 152
PUBLICATION DATE: 940601

JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: First Impressions

TEXT:
... design : communicating the logic of an application to the end user. With InfoModeler, you first **create objects** (fields) then enter sample data to illustrate patterns, relationships and restrictions. You use InfoModeler's...

...Paradox version, which included a generic SQL script generator. InfoModeler is based on the Formal **Object** Role **Modeling** Language (FORML), an English-like language that uses design steps that focus on facts and...

...logical diagrams. The main design screen resembles an illustration or graphics program; on it you **create** and label **objects** , which are shown as ellipses. You can use InfoModeler's floating toolbars to do this...

...earns." Two objects can be linked with multiple predicates to describe different activities. You can **build** predicates and **objects** simultaneously using Fact Compiler, a text-based entry facility. You can apply constraints to **objects** to **specify** mandatory and unique values, or to restrict a field to a value within a range...

...map objects into a logically related table, then Object Browser lists all relationships for any **object** . Finally, you can **generate** from your model a script in any of the supported database languages. Your database program...

34/3,K/58 (Item 4 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00606133 CMP ACCESSION NUMBER: UNX19911028S1535
Querying an object-oriented data management system is certainly different from querying a relational database. For example, i... (Data Management)
JULIE ANDERSON
UNIX TODAY , 1991, n 084, 33
PUBLICATION DATE: 911028
JOURNAL CODE: UNX LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Development Tools
WORD COUNT: 574

... on the number or existence of objects in the list.
Naturally, data definition in an **OODB** must allow for **object creation** (including functions) and inheritance. OSQL allows a new type to be defined simply by stating...

...actual definition of the function. A function can perform complex operations such as updating all **objects** of a **certain** type, but it can also be as simple as returning a value stored in the...

34/3,K/59 (Item 5 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00591634 CMP ACCESSION NUMBER: EET19911118S0843
Object-oriented-programming tools debut
ROBERT H. BLISSMER
ELECTRONIC ENGINEERING TIMES, 1991, n 668, 122
PUBLICATION DATE: 911118
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext

SECTION HEADING: design/computers & software
WORD COUNT: 727

... Versant Object Technology announced Object Modeler, an interactive graphical data-modeling tool for designing and **creating** C++ **object** - oriented applications. Object Modeler is based on the **object - modeling** technique and notation-developed at GE Corporate Research and Development-that allows designers to **specify** class hierarchies

Object Modeler is in beta testing on Sun 4 platforms. The actual release date was not...

34/3,K/60 (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

079550
Tracking the Web in real time
Andromedia's Aria Enterprise and net.Genesis' net.Analysis raise the bar for high-end Web traffic analysis but fall short when it comes to administration.
Byline: BRADLEY SHIMMIN
Journal: Network World Page Number: 57
Publication Date: November 22, 1999
Word Count: 3004 Line Count: 270

Text:
...widespread sources - log files, real-time Web traffic, application data and even Open Database Connectivity (**ODBC**) data stores. Aria primarily focuses on pouring real-time data into a third-party **multidimensional database** . Through additional modules, such as the Application Monitor, Aria can also pull real-time data...

... 7 or Sybase 's Adaptive Server Enterprise Version 11.5. Aria comes equipped with a **built** -in database, **Object** Design 's ObjectStore 5.1.0.According to Andromedia, Aria 's **built** -in, **object** -oriented database is superior in performance and scalability to relational databases such as SQL Server. Each unique user and Web page is stored in the ObjectStore server as an **individual object** . Proponents of the object-oriented approach claim this allows you to create multidimensional relationships on... value-based data with external resources. We could import data from an Excel spreadsheet via **ODBC** to visually evaluate which ad campaign was the most successful based upon dollars spent recruiting...

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Nov
(c)2003 Info.Sources Inc

```
Set     Items   Description
S1       1095   OBJECT(1W)MODEL???? ?
S2        575   OLAP OR ROLAP OR MOLAP OR (ONLINE OR LINE)()ANALYTIC?? ?()-
                PROCESS??? ?
S3        408   MULTIDIMENSION?? ?
S4         44   (MULTI OR MANY OR SEVERAL OR NUMEROUS OR PLURALIT? OR MULT-
                IPLE OR MULTITUD? OR MULTIPLICITY OR PLURIF?)(1W)DIMENSION?
S5       2433   OODB? ? OR ODBC? ? OR OODM? ? OR OODMS? ? OR ODBMS? ? OR R-
                DB? ? OR RDBM? ?
S6      19401   DBMS OR DATABASE? ? OR DATASET? ? OR DATABANK? OR DATAFILE?
                ? OR DB
S7          0   ADAPTIVE()INSTANTIAT?
S8      11565   OBJECT? ?
S9       1407   S8(3N)(INSTANTIAT? OR CREAT??? ? OR DECLAR??? ? OR REPRESE-
                NT??? ? OR CONSTRUCT? OR GENERAT? OR MAKE? ? OR MADE OR PROD -
                OR PRODUCE? ? OR PRODUCING)
S10      2329   S8(3N)(DEVELOP? OR BUILD??? ? OR BUILT OR ESTABLISH? OR OR-
                IGINAT? OR DERIV? OR FORM OR FORMS OR FORMED OR FORMING OR FO-
                RMATION OR MAKING)
S11       263   S8(2N)(SPECIFIE? ? OR SPECIFIC OR SPECIFY? OR DESIGNAT? OR
                PARTICULAR OR STATED OR SELECTED OR DEFINED OR DEFIITE OR IND-
                IVIDUAL OR CERTAIN OR SELECTIVE)
S12         0   S8(2N)DEFINITE
S13       176   S3:S4(1W)(DATA OR S6)
S14      5424   3D OR (THREE OR 3 OR THIRD)()(D OR DIMENSION?? ?) OR STERE-
                OSCOP? OR HOLOGRAPH? OR TRIMENSION? OR TRIDIMENSION? OR TERNA-
                RY OR CUBIC OR VOLUMETRIC
S15        23   S14(1W)S6
S16      4039   S1:S2 OR S5 OR S13 OR S15
S17       668   S16 AND S9:S10
S18        42   S16 AND S11
S19        29   S18 AND S17
S20         2   S19/2002:2003
S21        27   S19 NOT S20
S22        25   RD (unique items)
?t22/7/all
```

22/7/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00113501 DOCUMENT TYPE: Review

PRODUCT NAMES: Code Generators (830456)

TITLE: Java Gains a Firm Foothold Serving Database Applications: CreDO...
AUTHOR: King, Nelson
SOURCE: Internet World, v5 n2 p18(2) Jan 11, 1999
ISSN: 1097-8291
HOMEPAGE: http://www.iw.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: C

CreDO Software's CreDO 1.0 www.credobase.com, a new type of application generator, requires no programming because an entire Java application can be created using a framework and a large set of predesigned components. The components can be used to create the application. Some unique methods are used, but until some execution problems are resolved, CreDO is not yet ready for prime time. Windows implementation is unprofessional, as evidenced by an installation procedure with DOS windows. Testers also had to change the CONFIG.SYS file to install CreDO 1.0 under Windows 95, but Windows NT installation was more straightforward. CreDO relies on a 'Virtual Database,' or an Open Database Connectivity (**ODBC**) database that

stores all application elements. The database design and application construction are at the conceptual rather than physical levels, allowing users to emphasize the ways in which data interrelates and how the application should operate, rather than nitty gritty programming details. Database **objects** are **defined** in the Topology or Database Object Design windows, and require experience with database management. When basic data **objects** are **defined** , **forms** , menus, and other application items are created. This release, however, does not make it clear how JavaBeans or other components are integrated with CreDO.

REVISION DATE: 20020722

22/7/2
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00111054 DOCUMENT TYPE: Review

PRODUCT NAMES: Active Directory Management Service (718688)

TITLE: FastLane tries to make sense of directory mess
AUTHOR: Cox, John
SOURCE: Network World, v15 n32 p17(1) Aug 10, 1998
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

FastLane Technologies' Active Directory Management Service is designed to enhance network directory performance by providing access to multiple directories across the network. A middle layer is created between directory management applications and directories included with important operating systems (OSs) and applications, including NetWare, Windows NT, Microsoft Exchange, and Lotus Notes. FastLane's expanding suite of applications can be used, or users can do their own programming to manage and gain access to data stored in multiple directories. Users can write their own tools using such popular scripting tools as Visual Basic, VBScript, Java, and JavaScript. A spokesman for Southwestern Bell Communications Directory Operations says, 'Active DMS is probably going to save our bacon.' It could considerably reduce the work required to, for example, make changes to existing directory information; currently, MIS staff might have to manually change up to two dozen directories to enter a new name, for example, when a person marries. Active DMS, a set of application programming interfaces (APIs) and run-time software libraries running on one or more servers, tracks and reads contents of existing directories. Active DMS allows **creation** of an **object** layer above **individual** directories that supports Component **Object Model** (COM) to allow COM-compliant scripting to make standard COM calls to the services provided by the object layer.

REVISION DATE: 20020819

22/7/3
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00108385 DOCUMENT TYPE: Review

PRODUCT NAMES: OOP (Object Oriented Programming) (830425); Banks (830381)

TITLE: Building Applications
AUTHOR: Marlin, Steven
SOURCE: Bank Systems & Technology, v35 n3 p30(4) Mar 1998
ISSN: 1045-9472

HOMEPAGE: http://www.banktech.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Banks need to be ready for acquisitions and to be able to deliver services via the Web. Software reusability, based on object-based technology, is the key to giving banks these capabilities. Object technology allows banks to create a software representation of customers, products, and accounts. Each self-contained object can then be reused by all departments throughout the organization, and recombined to assemble new business applications easily. This allows development costs to be significantly lower and reduces development time. However, until now, object technology has not yet been achieved on an enterprise scale. Although there has not yet been any major organizations that enforce massive reuse across the enterprise, many banks are using **object** technology at **specified** levels. One of the first issues faced by banks deploying an object-based architecture is the battle between CORBA and Microsoft's Microsoft Distributed Component **Object Model** (DCOM). CORBA was designed to guarantee interoperability between object request brokers (ORBs) from any software manufacturer. Many banks have adopted message-oriented middleware solutions that are not object-based. These systems work with transaction processing monitors (TPMs) that often form the core of banks' legacy transaction systems.

REVISION DATE: 20030728

22/7/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00108215 DOCUMENT TYPE: Review

PRODUCT NAMES: XML (837709); DOM (838659)

TITLE: Document Objects with Style
AUTHOR: Carlson, David, PhD
SOURCE: Object Magazine, v7 n12 p14(2) Feb 1998
ISSN: 1055-3614
HOMEPAGE: http://www.sigs.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Hypertext Markup Language (HTML) and eXtensible Markup Language (XML), Standard Generalized Markup Language (SGML), Common Object Request Broker Architecture (CORBA), and Document **Object Model** (DOM) are highlighted in a discussion of XML's ability to create composite documents with a structure based on node objects. Each node object has optional attributes, and primary subnodes are typed elements and blocks of uninterpreted text. These form a root system, from which users can construct schemas defining valid node structures and document instances that comply with the schema. Two draft standards for processing XML document instances are discussed, the Document **Object Model** and the Extensible Style Language. DOM could represent the source tree produced by a parser, but also proposes an interface for manipulation of document **objects** and for **construction** of documents in an application program. The DOM spec defines the **object model** interface using the CORBA interface definition language. The XSL draft is based on XML and targets document stylesheet definition and document formatting. XSL states how other XML documents should be transformed and/or formatted for presentation. An output tree is created that can be another document **object model defined** by various schema. The construction rules map target elements from the source tree to equivalent elements in an output tree.

REVISION DATE: 20001130

22/7/5
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00105933 DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle 8 (004233)

TITLE: Inside Oracle8
AUTHOR: Schumacher, Robin
SOURCE: DBMS, p62(5) Dec 1997SP
ISSN: 1041-5173
HOMEPAGE: http://www.dbmsmag.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Oracle's Oracle 8 provides users with extended relational technology and better parallel processing to the enterprise. Power and flexibility are the cornerstones of the product, a strategy that is bound to please most IS managers and developers. Those who create or manage mission-critical databases could sometimes need advanced data types for particular, arcane features to meet the needs of companies. However, they really need better performance, very stable operation, and a versatile, feature-laden environment in which to operate. In Oracle 8, **objects** , or user- **defined** types, extend the conventional relational datatype offering so that database administrators and developers can define advanced business objects that stand in for components in their data architecture. Object views are provided to allow an administrator to **build** virtual **objects** based on relational structures. Therefore, conventional **RDBMS** data can be mapped to an object-based format. Oracle 8 is useful to system architects and developers responsible for constructing mission-critical systems, because Oracle 8's objects are more intuitive to work with than the conventional relational format. Oracle 8 can manage complex data with cartridges that plug into the database kernel, and scalability is improved via networking enhancements that provide connection pooling and multiplexing. Also discussed are the concept of large databases, network computing architecture, and missing features.

REVISION DATE: 20030428

22/7/6
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00105928 DOCUMENT TYPE: Review

PRODUCT NAMES: Sybase Adaptive Server 11.5 (622605); Jasmine (616923); Universal Modeling Architecture (688622); Universal Modeler (688631)

TITLE: Mixing Tuples And Objects
AUTHOR: Linthicum, David S
SOURCE: DBMS, p22(2) Dec 1997SP
ISSN: 1041-5173
HOMEPAGE: http://www.dbmsmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Sybase's Sybase Adaptive Server 11.5, Computer Associates International's Jasmine, Logic Works' Universal Modeling Architecture, and Computer Systems Advisers' (now Silverrun's) Universal Modeler are products highlighted in a discussion of the reasons for leaving the relational database model in

favor of object/relational databases. Applications for object databases are repositories, multimedia data storage, and World Wide Web site content storage. Jasmine, a multimedia and Web **development** tool, uses an **object** -oriented **model** to store multimedia content. Data management is key because the **object** -oriented **model** allows users to process complex database structures quickly, since objects existing on an object-oriented database can be addressed through a one-of-a-kind global object identifier. Lookup of **individual objects** is faster, since data exists with methods used for access. The **object** -oriented **model** also provides better logical performance, but RDBMSes are now powerful enough to operate around many performance restrictions of the relational model. Database architects currently are fond of hybrid systems, but creating a schema that is object- and relational-safe will be difficult. Modeling tools for object/relational databases available include Universal Modeling Architecture and Universal Modeler, two visual database development tools.

REVISION DATE: 20030330

22/7/7
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00103836 DOCUMENT TYPE: Review

PRODUCT NAMES: ORDBs (838349)

TITLE: Bringing Object/Relational Down to Earth
AUTHOR: Kim, Won
SOURCE: Database Programming & Design, v10 n7 p26(8) Jul 1997
ISSN: 0895-4518
HOMEPAGE: http://www.dbpd.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

The object-relational database (ORDB) market is growing, but is in some confusion as a proliferation of products are brought to market. A lot of attention has been given to data type extensibility in ORDBs, and the measure of a product's support for **object** /relational **modeling** and management confuses the issue. A baseline set of requirements may alleviate some of the confusion. A metric for object/relational completeness may be a useful guideline for determining whether any given product is really an ORDB. The metric is made up of seven categories, each with capabilities prioritized from most to least important. Categories include data model, query language, mission-critical database services, object-oriented computational model, performance and scalability, database tools, and the system's ability to harness its power. The data model should be **defined** by the **Object** Management Group's Core **Object Model** , which defines the **object** -oriented **modeling** concepts of object-oriented programming languages. The data model of an ORDB has to include the notion of a class having attributes, methods, and integrity constraints. In addition, an ORDB should support an ObjectSQL, which is a database language that extends relational SQL, and the corresponding APIs. The SQL extensions are necessary for updating and reading **objects** that are **created** by the system's **object modeling** capabilities.

REVISION DATE: 20020228

22/7/8
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00103346 DOCUMENT TYPE: Review

PRODUCT NAMES: DCOM (608165); CORBA (832456)

TITLE: Middleware: Managing objects
AUTHOR: LaMonica, Martin
SOURCE: InfoWorld, v19 n42 p113(2) Oct 20, 1997
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

The battle between Microsoft's Microsoft Distributed Common **Object Model** (DCOM) and Object Management Group's Common Object Request Broker Architecture (CORBA) standard has filtered down to a choice between the components used by each: COM, or Common **Object Model** , and JavaBeans. CORBA had the lead among Web application developers, but Microsoft is catching up. Microsoft's tools, such as Microsoft Transaction Server and Microsoft MessageQueue Server for Visual Basic programmers, succeed in shielding the programmers from having to know the object infrastructure of DCOM. CORBA, on the other hand, offers enterprisewide scalability, an installed base, and a standard-based approach to development. Neither approach to distributed **objects** provides **developers** with complete middleware functions. CORBA and DCOM are striving toward interoperability, but it is on the lowest level only. The development of both CORBA and DCOM is hindered most by the lack in either toolset of **specific objects** geared towards specialized industries.

REVISION DATE: 20020228

22/7/9
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00100727 DOCUMENT TYPE: Review

PRODUCT NAMES: SQL 3 (834106)

TITLE: The SQL standard fractures
AUTHOR: Leon, Mark
SOURCE: InfoWorld, v19 n5 p1(2) Feb 3, 1997
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

SQL 3 promises to add to the SQL standard the ability to process **objects** , including user- **defined** data types, audio, video, and advanced textual objects; enhanced support for stored procedures and recursive queries; and sophisticated programming methods, such as class hierarchies and functional polymorphism, that are identical to those of most object-oriented languages. SQL is one of the great success stories of computing, because it is an example of effective standardization that benefits developers and users. SQL needs the changes in SQL 3 now, to avoid fragmentation of the SQL standard. Many vendors, including IBM and Informix Software, are designing their own object extensions, and until the standard is available, developers may end up working with various proprietary implementations. SQL in its current form supports alphanumeric data, but the new standard will add **object** handling extensions, which **represents** a sea change in the technology. IBM strongly backs the SQL 3 draft specifications, stating that all object-relational extensions in IBM's DB2 **RDBMS** conform to SQL Foundations, the portion of the SQL 3 draft that concerns **objects** and user- **defined** data types. Informix, Sybase, and Oracle follow the draft at some level, but are concerned about the draft's effects on their customers' interests.

REVISION DATE: 19970930

22/7/10
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00100170 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Internet Information Server 3.0 (591645)

TITLE: Microsoft's IIS 3.0 Catches Up
AUTHOR: Frey, Anthony
SOURCE: Network Computing, v8 n2 p40(2) Feb 1, 1997
ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Microsoft's Microsoft Internet Information Server (IIS) 3.0 improves greatly on Microsoft's first try at database integration, the Internet Database Connector (IDC). Active Data Objects, an ActiveX component, is included as part of the basic Active Server Pages (ASP) technology in IIS 3.0, and allows more than one database query per IDC template file. During tests, users could freely **create** database session **objects** 'up and down the ASP scripts.' ASP is a Windows Dynamic Link Library (DLL) that uses server-side scripting. Many third-party solutions use Internet Server API (ISAPI) for other types of server-side processing, including database access via extended Hypertext Markup Language (HTML) tags. ASP also provides a nearly full-functioned interface to Microsoft's Microsoft ActiveX and Component **Object Model** (COM) technologies. ASP is launched by files with the .asp file extension, and includes intrinsic objects (Server, Application, Session, Request, and Response). The set of objects effectively defines the execution environment between the client and server. The objects are almost mirror-images of the set of **objects defined** in Netscape Communications' LiveWire. They include variables for state and session management, client cookies, and Hypertext Transfer Protocol (HTTP) headers. A basic set of ActiveX components allows advertisement rotation, access to the file system, browser function retrieval, access to Open Database Connectivity (**ODBC**), and page link management.

REVISION DATE: 20020228

22/7/11
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00098411 DOCUMENT TYPE: Review

PRODUCT NAMES: Java (573744); Eleven (637246); Microsoft ActiveX (603295); Oracle (004233); Internet Chameleon (415928)

TITLE: Second wave Java tools tuned to perform
AUTHOR: Knowles, Anne
SOURCE: Datamation, v42 n18 p82(5) Dec 1996
ISSN: 0011-6963
HOMEPAGE: http://www.datamation.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

A discussion of the second generation of tools supporting Sun Microsystems' Java highlights Visix Software's Eleven, Microsoft's Microsoft ActiveX,

Oracle's eponymous **RDBMS** , and NetManage's Web Surfer (now Internet Chameleon). Symantec's Visual Cafe, another entry in the market, attempts to fill in some of Java's gaps. Eleven is a retrofit of existing toolkits from Visix, and SourceCraft has a completely new tool of the same name under development. Currently, Java works well for building Windows applets, but for genuine mission-critical programs that use legacy data, a tool with more powerful data validation that does not over-rely on Object Linking & Embedding (OLE) is needed. Java tools are heavily oriented toward Windows and usually omit some critical features provided in a workbench, including debugging and compiling. Long-term World Wide Web application development scenarios highlighted include those of J. P. Morgan, a New York City-based financial services firm, and Xerox, a billion-dollar copier and imaging giant. J. P. Morgan wants to develop secure World Wide Web applications for corporate users and clients that can process compound documents, and the firm chose Java tools and Microsoft's Microsoft ActiveX for development. Xerox wants to convert all software **development** to an **object** methodology, and **selected** such large integrated development tools as Forte for large-scale, long-term projects, and tools such as SourceCraft for short-term applications that need quick turnaround.

REVISION DATE: 20030428

22/7/12
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00095896 DOCUMENT TYPE: Review

PRODUCT NAMES: Informix-SQL (011296); Entera (456781); NEO (588091); Orbix (517399)

TITLE: Informix Edge: Object Oriented Multi-Tiered Architectures
AUTHOR: Hicks, J D
SOURCE: Data Management Review (DM Review), v6 n8 p27(2) Sep 1996
ISSN: 1066-5498
HOMEPAGE: http://www.dmreview.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Informix Software's Informix-ESQL/C, Open Environment's Entera, Sun Microsystems' NEO, and Iona Technologies' Orbix are examples of products that invisibly integrate data from RDBMSs to allow the **RDBMS** to use distributed objects over the enterprise. An object-oriented (OO) method for building multi-tiered architectures and the benefits of this technique to software developers are explored. In service provider and object broker environments, layers (objects) of multitiered architectures can reside on any device on a network. Service provider environments designate a multitiered, non-object-oriented (OO) environment; an object broker environment has a presentation layer that **instantiates** objects, **creating** application **objects** of a **particular** class. Inheritance allows a data type to recreate or inherit the definition of a similar data type. Inheritance eases data modeling by basing new **objects** ' definitions on **established objects** . Integration of RDBMSes in an object broker environment is briefly discussed.

REVISION DATE: 20030825

22/7/13
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00092761 DOCUMENT TYPE: Review

PRODUCT NAMES: TriSpectives Technical (617539); Microsoft Visio Technical

(543896); PartSpec & MaterialSpec CD-ROM (625213); Objective MicroStation (625221)

TITLE: Modular CAD: Objects of Desire
AUTHOR: Ragen, Matt
SOURCE: Computer-Aided Engineering, v15 n6 p68(3) Jun 1996
ISSN: 0733-3536
HOMEPAGE: http://www.penton.com/cae/

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

3D/Eye's Trispectives, Visio's Visio Technical, Autodesk's PartSpec & MaterialSpec CD-ROM, and Bentley Systems' Objective MicroStation are all part of a discussion of Windows-based engineering tools supporting modular computer-aided design (CAD) as used to **create objects** . In this technology, a product design or application is constructed from individual components, each of which has its own set of properties; properties can be the data name, the data's creator, the date of creation, size, individual dimensions, lighting or illumination, or anything else strictly associated with the data chunk. Modular CAD refers to specific product design data, such as an individual component in a product that is a unique object. This concept differs from associativity because objects in a cutting edge CAD system employ properties, **defined** by the **object model** used in the application, that build new relationships or allow new functions. Microsoft's Object Linking and Embedding (OLE) is one of the most implemented **object models** .

REVISION DATE: 20010630

22/7/14
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00088084 DOCUMENT TYPE: Review

PRODUCT NAMES: Logical Data Modeling (830272)

TITLE: Skip requirements, go directly to Prototype
AUTHOR: Mimno, Pieter
SOURCE: Application Development Trends, v3 n2 p53(7) Feb 1996
ISSN: 1073-9564
HOMEPAGE: http://www.spgnet.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

The intuitive OO methodology (IOOM) for client/server and distributed development allows software designers to go directly to software prototyping. This eliminates bureaucratic obstacles to shortening the design cycle because IOOM can inherit the majority of application- **specific objects** needed to **develop** an application. Such tools as PowerBuilder, Delphi, and SQLWindows have many base classes that support IOOM. An important task of IOOM is to expand base classes through inheritance to implement an application framework supporting development of custom-written graphical user interface (GUI) and data source interfaces. Object class libraries are used to develop all GUIs and interfaces to data sources, and processes for specific business tasks are developed with a related scripting language. IOOM uses data modeling, but formal **object modeling** is eliminated because the model evolves from skill sets found in a traditional development system.

REVISION DATE: 20020228

22/7/15
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00084641 DOCUMENT TYPE: Review

PRODUCT NAMES: OODBMS (830220)

TITLE: Ooh la la! OODBMSs woo users with reliability and speed
AUTHOR: Burden, Kevin
SOURCE: Computerworld, v29 n45 p130(1) Nov 6, 1995
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Object-oriented database management systems (OODBMSs) do not have the same widespread appeal as relational DBMSs. However, the OODBMSs have a definite role in certain areas, and users enjoy them for their reliability and incredible speed. Unfortunately, OODBMSes are not as easy to use as some RDBMSs. After a developer passes the learning curve, however, development time can be reduced considerably when working with an OODBMS. For database structures using inheritance mechanisms, an object database is blazingly fast. An **RDBMS** , on the other hand, relies on associated access, which is naturally slow because it must query **individual** tables. However, **object** -oriented databases decrease sharply in performance as additional users are added.

REVISION DATE: 20020830

22/7/16
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00083887 DOCUMENT TYPE: Review

PRODUCT NAMES: CORBA (832456); COM (Component Object Model **) (516791) ; System** Object Model **(SOM) (380512**

TITLE: Language Neutrality: Goal for Future in Object Technology
AUTHOR: Guttman, Michael Matthews, Jason
SOURCE: Application Development Trends, v2 n9 p101(4) Sep 1995
ISSN: 1073-9564
HOMEPAGE: http://www.spgnet.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Using Interface Definition Language (IDL) descriptions, developers can obscure language syntax, tool, and terminology differences found in implementations of Common Object Request Broker Architecture (CORBA) object request brokers (ORBs). Only a small part of CORBA deals with distributed computing, while the majority of the spec defines a language-neutral model for describing objects' interfaces. CORBA IDL supports communication among distributed objects and among objects written in different languages, including C++ and Smalltalk. Methodologies and tools vendors now support Component **Object Model** (COM) and System **Object Model** (SOM) ORBs. An approach likely to grow in popularity soon includes adoption of a stage at which interfaces can be 'frozen' for important business objects before support for particular languages must be added to the design. This method allows IDL- **specified objects** to be reused in other models.

REVISION DATE: 20020228

22/7/17
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00081192 DOCUMENT TYPE: Review

PRODUCT NAMES: System Object Model **(SOM) 3.0 (380512**

TITLE: IBM to expand on SOM, CICS
AUTHOR: Cox, John
SOURCE: Network World, v12 n22 p11(1) May 29, 1995
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

IBM has incorporated new application services in its System **Object Model** (SOM) 3.0. SOM now includes directory, security, and transaction processing services meant to accommodate distributed, object-oriented applications. IBM also plans to support SOM objects within its CICS transaction processing environment. The addition of SOM object support to CICS will make it possible to **create** client-based **object** -oriented applications that can use existing CICS transactions and data. IBM also has plans to beta test SOM on the AS/400 midrange computer. AS/400 support will allow developers to run SOM applications across all of IBM's various operating systems. SOM 3.0 will include many of the **object** services **specified** in the recently approved CORBA 2.0 specification, including directory, security, and event management.

REVISION DATE: 20020228

22/7/18
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00078054 DOCUMENT TYPE: Review

PRODUCT NAMES: BaseWorX OSP for Motif (446297)

TITLE: Objects from the server side
AUTHOR: Rosenblatt, Bill
SOURCE: Advanced Systems, v8 n5 p68(3) May 1995
ISSN: 1046-5456

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

TCSI's BaseWorX OSP for Motif is a server-side UNIX tool for standardized communication between application-level objects among devices in multiplatform, client/server environments. The product uses a language and compiler called MOSC (Managed Object Schema Compiler) that allows **developers** to **designate object** types. The syntax resembles C++, and has an equivalent to most of the features found in object-type-specification language, including methods and data attributes. Its front end is not as intuitive as that of PowerBuilder or SQLWindows. Developers also can give OSP hints as to object management, using functions like Ada's pragmas (directives to query optimizers in some SQL implementations). BaseWorX's client software runs only on X Windows (Motif), not with Windows, Mac, or OS/2. The proprietary **object model** may or may not comply with Common Object Request Broker Architecture (CORBA) standards.

REVISION DATE: 20001130

22/7/19
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00074718 DOCUMENT TYPE: Review

PRODUCT NAMES: OpenDoc (833371); CORBA (832456)

TITLE: Object Component Suites: The Whole Is Greater Than the Parts
AUTHOR: Orfali, Robert Harkey, Dan
SOURCE: Datamation, v41 n3 p44(4) Feb 15, 1995
ISSN: 0011-6963
HOMEPAGE: http://www.datamation.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Software components employ flexible distributed objects from various vendors, supporting various operating systems; the objects and components can be combined and rearranged to create preassembled suites, custom-built suites, and client/server suites created from networked components and tested for the customer's **particular** system. System **Object Model** (SOM), Common Object Request Broker (CORBA), Taligent frameworks, OpenDoc, and Object Linking and Embedding (OLE) offer an **object** foundation that allow **developers** to create software components. CORBA is a standard for object communications over multivendor busses; it uses Transmission Control Protocol/Internet Protocol (TCP/IP) and a more comprehensive, operational specification based on Open Software Foundation (OSF) Distributed Computing Environment (DCE). OpenDoc supports vertical product requirements, providing common semantics and protocols available with OpenDoc extensions.

REVISION DATE: 20001130

22/7/20
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00073739 DOCUMENT TYPE: Review

PRODUCT NAMES: Versant ODBMS **(323071**

TITLE: ODBMS **Technology Supports Managed Care Networks**
AUTHOR: Baum, David
SOURCE: Data Based Advisor, v13 n1 p70(2) Jan 1995
ISSN: 0740-5200
HOMEPAGE: http://www.advisor.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

A software company that provides business solutions to the health care insurance market offers a product to help clients meet the new requirements of managed care situations. The company's **developers** wanted an **object** database with the ability to embed rules in the data to govern variable conditions. The company **selected** Versant **Object** Technology's Versant **ODBMS** . Versant offers a high degree of scalability and platform support, allows data locking at different levels, and offers a client/server architecture that promotes distributed computing. The **ODBMS** includes some class libraries that helped the company get started, using the classes as templates. Versant helped the company **create** a framework where **objects** could be moved between servers. Versant provided this by using a single pointer type for referencing both local and remote objects. This allows an object to reference remote objects in the same way it does local objects.

REVISION DATE: 20020630

22/7/21
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00071412 DOCUMENT TYPE: Review

PRODUCT NAMES: PowerMaker 3.0 (453153)

TITLE: Stepping Out of the Shadows
AUTHOR: Plotkin, David
SOURCE: Database Programming & Design, v7 n11 p65(3) Nov 1994
ISSN: 0895-4518
HOMEPAGE: http://www.dbpd.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Powersoft's PowerMaker 3.0 incorporates the PowerBuilder database engine, as well as a form and report builder, query engine, and application packaging module. It is an excellent tool for creating database applications. Although it does not include a macro engine, programmers will be able to enhance it using PowerBuilder. The screen opens with a suite of tool buttons, which include the database, form, query, report, and environment painters. This toolbar can be configured to float in its own window. In order to make a connection for a database type, the user must first configure **ODBC** to give the connection a name, and point to the directory where the tables should be located. The program's environment painter helps the user manage **forms** , reports, and other **objects** . PowerMaker offers much help in distributing the created application. It creates a distributable executable file, which includes all of the **specified objects** and can be run from an icon in the Program Manager.

REVISION DATE: 20001230

22/7/22
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00070340 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--IBM Corp (850225)

TITLE: IBM Sketches in Details of Object Strategy
AUTHOR: Ballou, Melinda-Carol
SOURCE: Computerworld, v28 n41 p15(1) Oct 10, 1994
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Company

At a recent UNIX conference, IBM announced a well **defined** plan for **object** strategy, describing how the company will unify its operating systems via System **Object Model** (SOM) and Distributed SOM (DSOM). IBM considers SOM the method of choice for object distribution, calling it operating system (OS)-neutral. SOM/DSOM **makes objects** portable over mixed, connected platforms that comprise a multiplatform, heterogeneous network/enterprise. It is an implementation of the Object Management Group's Common Object Request Broker Architecture (CORBA), a standard for object communication. The computer pioneer also announced shipping dates for AIX object products and many tools for MVS, OS/2, and the AS/400. One analyst interviewed indicates that SOM could ease cross-platform

application deployment and support object-oriented (OO) languages well.

REVISION DATE: 20020819

22/7/23
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00062096 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Object Linking & Embedding (OLE) (387321)

TITLE: OLE to gain object role
AUTHOR: Foley, Mary Jo
SOURCE: PC Week, v11 n9 p39(2) Mar 7, 1994
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Microsoft's object architecture will not rely on emerging object standards, but will come from its own Object Linking and Embedding (OLE) technology. OLE will compete with the OpenDoc compound document architecture, CORBA, and IBM's System **Object Model** . Microsoft will introduce two pieces of its object strategy, custom controls for OLE 2.0, and LOBjects (Line of Business Objects). Custom controls for OLE are a class of smart, programmable objects. LOBjects will be a new class of **objects** , tailored to **specific** , vertical markets. Microsoft indicates that there are deficiencies in the other **object models** . CORBA, for example, requires interconnection between **objects** , but **makes** no mention of the RPC layer. As a result, no two CORBA implementations can interoperate.

REVISION DATE: 20020228

22/7/24
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00061799 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--Microsoft Corp (850195); Company--Digital Equipment Corp (850217)

TITLE: DEC, Microsoft to Collaborate on Common Object Model
AUTHOR: Williams, Tom
SOURCE: Computer Design, v33 n2 p46(3) Feb 1994
ISSN: 0010-4566
HOMEPAGE: http://www.computer-design.com

RECORD TYPE: Review
REVIEW TYPE: Company

Microsoft Corporation and Digital Equipment Corporation (DEC) agreed to collaborate on an open architecture for development of interplatform, client/server applications that use object-oriented (OO) methods. The architecture supports a common **object model** (COM) that will allow industrial process control managers and engineers to import real-time data from embedded controllers to desktop applications. Spreadsheet, graphics control interfaces, and analysis tools will support the COM for intuitive display and processing of controller information. The COM will be developed using DEC ObjectBroker 2.5 and with Object Linking and Embedding (OLE) 2.0 from Microsoft. OLE acts as a component **object model** that allows interfaces to be **defined** between **objects** , without **specifying** implementation. The COM allows hierarchical interface arrangements, but objects can also act independently.

REVISION DATE: 20020703

22/7/25
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00060499 DOCUMENT TYPE: Review

PRODUCT NAMES: Versant ODBMS **(323071); Advantage Ingres (011599); ObjectStore (269956**

TITLE: Users Scout for Right Object DBMS Fit
AUTHOR: Nash, Kim S
SOURCE: Computerworld, v28 n2 p57(2) Jan 10, 1994
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

A German auto manufacturer **selected** the Versant **object** database management system after developing part of a prototype system to test Versant, Object Store, and Ingres. The system is designed to assist distributors in tracking cars from build through sale and maintenance. The prototype showed that none of the three databases provided all the functions required. However, Versant was chosen for its performance with unstructured data, commitment to providing methods for access to legacy data in relational database management systems (**RDBMS**), and after recommendation by other companies. The company makes the most popular car in Europe, but profit per unit is very low. The system was created to reduce parts inventory and improve customer service turnaround time.

REVISION DATE: 20030130
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File 347:JAPIO Oct 1976-2003/Sep(Updated 040105)
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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200401
(c) 2004 Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2003/Dec W02
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File 349:PCT FULLTEXT 1979-2002/UB=20031225,UT=20031218
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Set	Items	Description
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1/9/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015159391 **Image available**
WPI Acc No: 2003-219919/200321
XRPX Acc No: N03-175366
Minimally inflatable object model for multidimensional data applications, has cube objects and one dimensions objects comprising saved views of data and saved subsets of elements of data respectively
Patent Assignee: CREETH R F (CREE-I)
Inventor: **CREETH R F**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020156789	A1	20021024	US 2001785573	A	20010216	200321	B

Priority Applications (No Type Date): US 2001785573 A 20010216
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020156789	A1		13	G06F-007/00	

Abstract (Basic): US 20020156789 A1
NOVELTY - A data server stores several cube objects and one dimension objects. The cube objects comprise saved views of data including values and subsets of data. The one dimension objects comprise saved subsets of elements and hierarchy corresponding to data.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for multidimensional data displaying system.
USE - Minimally inflatable object model for manipulating multidimensional data.
ADVANTAGE - By providing the cube objects and the one dimensions objects, the states of multidimensional data are preserved without wasting large amounts of web server's resources. Hence shortcut methods to directly generate web contents are enabled.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the minimally inflatable object model system.
pp; 13 DwgNo 1/6
Title Terms: MINIMUM; INFLATE; OBJECT; MODEL; MULTIDIMENSIONAL; DATA; APPLY ; CUBE; OBJECT; ONE; DIMENSION; OBJECT; COMPRISE; SAVE; VIEW; DATA; SAVE; SUBSET; ELEMENT; DATA; RESPECTIVE
Derwent Class: T01
International Patent Class (Main): G06F-007/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B2B; T01-J05B4M; T01-N02A3C
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L Number	Hits	Search Text	DB	Time stamp
6	26	(((instantiat$5 or inflat$3 or declear$3 or declar$3 or initializ$5) with object$2 with (specif$9 or request$3)) same (demand$3 or needed)) and (@ad<20010216) and 707/$.ccls.	USPAT; US-PGPUB; IBM_TDB	2004/01/07 17:26
21	1304	((instantiat$3 or inflat$3 or creat$3 or declar$3) with (specif$9 or request$3) with (object or class)) and ((object near model$3) or (multidimension$3 with database$2) or OLAP or (multi adj dimension$3 adj database$2) or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 17:26
22	280	(instantiat$3 with (specif$9 or request$3) with object) and ((object near model$3) or (multidimension$3 with database$2) or OLAP or (multi adj dimension$3 adj database$2) or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 17:50
24	39	((instantiat$3 with (specif$9 or request$3) with object) same (demand$3 or need$3)) and ((object near model$3) or (multidimension$3 with database$2) or OLAP or (multi adj dimension$3 adj database$2) or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 17:38
26	173	(((instantiat$3 or inflat$3 or creat$3 or declar$3) with (specif$9 or request$3) with object) same database) and ((object near model$3) or (multidimension$3 with database$2) or OLAP or (multi adj dimension$3 adj database$2) or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 17:51
25	34	((instantiat$3 with (specif$9 or request$3) with object) same database) and ((object near model$3) or (multidimension$3 with database$2) or OLAP or (multi adj dimension$3 adj database$2) or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 17:51
-	30	(OLAP or (on adj line adj analytic$5 adj process$3)).ab. and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/05/03 15:20
-	1	"20020156789"	USPAT; US-PGPUB; IBM_TDB	2004/01/04 19:18
-	0	((dataspace or (data adj space)) same (dataserver or (data adj server))) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/04/08 16:59
-	414	(dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/04/28 20:39
-	17	(OLAP or (on adj line adj analytic$5 adj process$3)).ab. and (@ad<20010216) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object)	USPAT; US-PGPUB; IBM_TDB	2003/04/09 20:59
-	66	(dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216) and 707/$.ccls.	USPAT; US-PGPUB; IBM_TDB	2003/04/09 20:56

-	280	(OLAP or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/05/03 12:21
-	174	((OLAP or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)) and 707/$.ccls.	USPAT; US-PGPUB; IBM_TDB	2003/05/03 11:58
-	7	((OLAP or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)) and ((dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216) and 707/$.ccls.)	USPAT; US-PGPUB; IBM_TDB	2003/04/09 20:57
-	47	((OLAP or (on adj line adj analytic$5 adj process$3)) and (@ad<20010216)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object)	USPAT; US-PGPUB; IBM_TDB	2003/04/09 20:59
-	31	(OLAP or (on adj line adj analytic$5 adj process$3)).ab. and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/04/28 21:59
-	415	(dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/05/03 12:23
-	5	(dataspace or (data adj space)) and (dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/04/28 21:58
-	47	(OLAP or (on adj line adj analytic$5 adj process$3)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/04/28 21:58
-	5	((dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and (@ad<20010216)) and ((instantiat$3 or construct$3) with object) and ((inflat$3 or populat$3) with (object or attribute))	USPAT; US-PGPUB; IBM_TDB	2003/04/28 22:04
-	26	(dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and ((instantiat$3 or construct$3 or creat$3 or declar$3) same (inflat$3 or populat$3 or initiali$5) same (object or variable)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2003/05/03 12:29
-	41	((OLAP or (on adj line adj analytic$5 adj process$3)) and ((instantiat$3 or construct$3 or creat$3 or declar$3) same (inflat$3 or populat$3 or initiali$5) same (object or variable)) and (@ad<20010216)) or ((dataspace or (data adj space) or dataserver or (data adj server)) and ((cube or dimension$5 or multidimension$5 or (multi adj dimension$5)) with object) and ((instantiat$3 or construct$3 or creat$3 or declar$3) same (inflat$3 or populat$3 or initiali$5) same (object or variable)) and (@ad<20010216))	USPAT; US-PGPUB; IBM_TDB	2003/05/03 12:30
-	74	((instantiat$5 or inflat$3 or declear$3 or declar$3 or initializ$5) with object) same adaptiv$7	USPAT; US-PGPUB; IBM_TDB	2004/01/07 10:30
-	53	(((instantiat$5 or inflat$3 or declear$3 or declar$3 or initializ$5) with object) same adaptiv$7) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 10:30

-	26	(object near model$3) and (((instantiat$5 or inflat$3 or declear$3 or declar$3 or initializ$5) with object$2 with (specif$9 or request$3)) same (demand$3 or needed)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 10:52
-	78	(object near model$3) and (((instantiat$5 or inflat$3 or declar$3 or creat$3) with object$2 with (specif$9 or request$3)) same (demand$3 or needed)) and (@ad<20010216)	USPAT; US-PGPUB; IBM_TDB	2004/01/07 10:58